```
;
;Program colpitts4w4.m - (c) 2003 Leonard Gojer
;Computation of Coil Component Parameters for Draw1
;
;Initial Frequency and Amplitude Change To Set Up Draw1
;from Colpitts example in textbook

;Desired Frequency                           =              1000000.0000000000000000
;Desired Amplification                       =                    2.5641025640000001
;Initial Result 1 Amplitude                  =              1020167.3008604913000000
;Secondary Result 2 Amplitude                =              1591250.1987552077000000
;Computed Ac1
;(Component Amplification Factor)            =                    0.4455000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                         =                    1.5597933764520968
;
(defun c:drawblks()
   (progn
;
;Desired Frequency                           =              1000000.0000000000000000
;Desired Amplification                       =           2286113579.6239400000000000
;Initial Result 1 Amplitude                  =              1020167.3008604913000000
;Secondary Result 2 Amplitude                =              1591763.0229981595000000
;Computed Ac1
;(Component Amplification Factor)            =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                         =                    1.5602960628668832
;Sign 1 (sign of Result 1)                   =                   -1.0000000000000000
;Sign 2 (sign of Result 2)                   =                   -1.0000000000000000
;L1                                          =                    0.0005778500000000
;C1                                          =                  687.7483761970102000
;C2                                          =                   75.8546003158466960
;C3                                          =                    0.0000001057367829
;Rd                                          =              3022600.0000000000000000
;R1                                          =            444500000.0000000000000000
;Rl1                                         =                   61.6640193456665950
;
;
    (setq count     1.0000000000000000)
    (setq DesFreq 1000000.0000000000000000)
    (setq DesAmp 2286113579.6239400000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1591763.0229981595000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp     1.5602960628668832)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1    687.7483761970102000)
    (setq C2     75.8546003158466960)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
```

```
;
;Desired Frequency                       =              2000000.0000000000000000
;Desired Amplification                   =          -3688935683.5626993000000000
;Initial Result 1 Amplitude              =              1020167.3008604913000000
;Secondary Result 2 Amplitude            =              1793977.1741274723000000
;Computed Ac1
;(Component Amplification Factor)         =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                     =                    1.7585127190552838
;Sign 1 (sign of Result 1)               =                   -1.0000000000000000
;Sign 2 (sign of Result 2)               =                   -1.0000000000000000
;L1                                       =                    0.0005778500000000
;C1                                       =                  171.9370940492525500
;C2                                       =                   18.9636500789616740
;C3                                       =                    0.0000001057367829
;Rd                                       =              3022600.0000000000000000
;R1                                       =            444500000.0000000000000000
;Rl1                                      =                   61.6640193456665950
;
;
    (setq count     2.0000000000000000)
    (setq DesFreq 2000000.0000000000000000)
    (setq DesAmp -3688935683.5626993000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1793977.1741274723000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp     1.7585127190552838)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1    171.9370940492525500)
    (setq C2     18.9636500789616740)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                       =              3000000.0000000000000000
;Desired Amplification                   =           3853961468.7843032000000000
;Initial Result 1 Amplitude              =              1020167.3008604913000000
;Secondary Result 2 Amplitude            =              1837198.2326472637000000
;Computed Ac1
;(Component Amplification Factor)         =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                     =                    1.8008793568443360
;Sign 1 (sign of Result 1)               =                   -1.0000000000000000
;Sign 2 (sign of Result 2)               =                   -1.0000000000000000
;L1                                       =                    0.0005778500000000
;C1                                       =                   76.4164862441122350
;C2                                       =                    8.4282889239829650
;C3                                       =                    0.0000001057367829
;Rd                                       =              3022600.0000000000000000
;R1                                       =            444500000.0000000000000000
;Rl1                                      =                   61.6640193456665950
```

```
;
;
    (setq count     3.0000000000000000)
    (setq DesFreq 3000000.0000000000000000)
    (setq DesAmp 3853961468.7843032000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1837198.2326472637000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp     1.8008793568443360)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1    76.4164862441122350)
    (setq C2     8.4282889239829650)
    (setq C3     0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1    61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =              4000000.0000000000000000
;Desired Amplification                =           -3070291454.7797523000000000
;Initial Result 1 Amplitude           =              1020167.3008604913000000
;Secondary Result 2 Amplitude         =              1852821.7998048405000000
;Computed Ac1
;(Component Amplification Factor)      =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =                    1.8161940676220669
;Sign 1 (sign of Result 1)            =                   -1.0000000000000000
;Sign 2 (sign of Result 2)            =                   -1.0000000000000000
;L1                                   =                    0.0005778500000000
;C1                                   =                   42.9842735123131380
;C2                                   =                    4.7409125197404185
;C3                                   =                    0.0000001057367829
;Rd                                   =              3022600.0000000000000000
;R1                                   =            444500000.0000000000000000
;Rl1                                  =                   61.6640193456665950
;
;
    (setq count     4.0000000000000000)
    (setq DesFreq 4000000.0000000000000000)
    (setq DesAmp -3070291454.7797523000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1852821.7998048405000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp     1.8161940676220669)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1    42.9842735123131380)
    (setq C2     4.7409125197404185)
    (setq C3     0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1    61.6640193456665950)
```

```
      (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Signl Sign2
L1 C1 C2 C3 Rd Rl Rll)
;
;
;Desired Frequency                        =              5000000.0000000000000000
;Desired Amplification                    =           1948337835.1938615000000000
;Initial Result 1 Amplitude               =              1020167.3008604913000000
;Secondary Result 2 Amplitude             =              1860143.5956246902000000
;Computed Acl
;(Component Amplification Factor)          =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                      =                    1.8233711216343587
;Sign 1 (sign of Result 1)                =                   -1.0000000000000000
;Sign 2 (sign of Result 2)                =                   -0.9999999999999999
;L1                                       =                    0.0005778500000000
;C1                                       =                   27.5099350478804010
;C2                                       =                    3.0341840126338671
;C3                                       =                    0.0000001057367829
;Rd                                       =              3022600.0000000000000000
;R1                                       =            444500000.0000000000000000
;Rll                                      =                   61.6640193456665950
;
;
      (setq count      5.0000000000000000)
      (setq DesFreq 5000000.0000000000000000)
      (setq DesAmp 1948337835.1938615000000000)
      (setq InitlAmp 1020167.3008604913000000)
      (setq Sec2Amp 1860143.5956246902000000)
      (setq CompAcl      0.4445000000000000)
      (setq CheckAmp     1.8233711216343587)
      (setq Signl     -1.0000000000000000)
      (setq Sign2     -0.9999999999999999)
      (setq L1      0.0005778500000000)
      (setq C1     27.5099350478804010)
      (setq C2      3.0341840126338671)
      (setq C3      0.0000001057367829)
      (setq Rd 3022600.0000000000000000)
      (setq R1 444500000.0000000000000000)
      (setq Rll      61.6640193456665950)
      (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Signl Sign2
L1 C1 C2 C3 Rd Rl Rll)
;
;
;Desired Frequency                        =              6000000.0000000000000000
;Desired Amplification                    =            -994382997.9858658300000000
;Initial Result 1 Amplitude               =              1020167.3008604913000000
;Secondary Result 2 Amplitude             =              1864145.1735272487000000
;Computed Acl
;(Component Amplification Factor)          =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                      =                    1.8272935938594370
;Sign 1 (sign of Result 1)                =                   -1.0000000000000000
;Sign 2 (sign of Result 2)                =                   -0.9999999999999999
;L1                                       =                    0.0005778500000000
;C1                                       =                   19.1041215610280590
;C2                                       =                    2.1070722309957413
;C3                                       =                    0.0000001057367829
```

```
;Rd                                          =                    3022600.0000000000000000
;R1                                          =                 444500000.0000000000000000
;Rl1                                         =                        61.6640193456665950
;
;
    (setq count      6.0000000000000000)
    (setq DesFreq 6000000.0000000000000000)
    (setq DesAmp -994382997.9858658300000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1864145.1735272487000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp     1.8272935938594370)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -0.9999999999999999)
    (setq L1      0.0005778500000000)
    (setq C1     19.1041215610280590)
    (setq C2      2.1070722309957413)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                           =                 7000000.0000000000000000
;Desired Amplification                       =               405011081.6299534400000000
;Initial Result 1 Amplitude                  =                 1020167.3008604913000000
;Secondary Result 2 Amplitude                =                 1866566.3292895905000000
;Computed Ac1
;(Component Amplification Factor)            =                        0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                         =                        1.8296668867108150
;Sign 1 (sign of Result 1)                   =                       -1.0000000000000000
;Sign 2 (sign of Result 2)                   =                       -1.0000000000000000
;L1                                          =                        0.0005778500000000
;C1                                          =                       14.0356811468777560
;C2                                          =                        1.5480530676703403
;C3                                          =                        0.0000001057367829
;Rd                                          =                  3022600.0000000000000000
;R1                                          =                444500000.0000000000000000
;Rl1                                         =                       61.6640193456665950
;
;
    (setq count      7.0000000000000000)
    (setq DesFreq 7000000.0000000000000000)
    (setq DesAmp 405011081.6299534400000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1866566.3292895905000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp     1.8296668867108150)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1     14.0356811468777560)
    (setq C2      1.5480530676703403)
    (setq C3      0.0000001057367829)
```

```
      (setq Rd 3022600.0000000000000000)
      (setq R1 444500000.0000000000000000)
      (setq Rl1     61.6640193456665950)
      (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                      =           8000000.0000000000000000
;Desired Amplification                  =        -128673485.5820325600000000
;Initial Result 1 Amplitude             =           1020167.3008604913000000
;Secondary Result 2 Amplitude           =           1868141.1211032807000000
;Computed Ac1
;(Component Amplification Factor)        =                 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =                 1.8312105470617810
;Sign 1 (sign of Result 1)              =                -1.0000000000000000
;Sign 2 (sign of Result 2)              =                -1.0000000000000000
;L1                                     =                 0.0005778500000000
;C1                                     =                10.7460683780782840
;C2                                     =                 1.1852281299351046
;C3                                     =                 0.0000001057367829
;Rd                                     =           3022600.0000000000000000
;R1                                     =         444500000.0000000000000000
;Rl1                                    =                61.6640193456665950
;
;
      (setq count     8.0000000000000000)
      (setq DesFreq 8000000.0000000000000000)
      (setq DesAmp -128673485.5820325600000000)
      (setq Init1Amp 1020167.3008604913000000)
      (setq Sec2Amp 1868141.1211032807000000)
      (setq CompAc1     0.4445000000000000)
      (setq CheckAmp    1.8312105470617810)
      (setq Sign1    -1.0000000000000000)
      (setq Sign2    -1.0000000000000000)
      (setq L1      0.0005778500000000)
      (setq C1     10.7460683780782840)
      (setq C2      1.1852281299351046)
      (setq C3      0.0000001057367829)
      (setq Rd 3022600.0000000000000000)
      (setq R1 444500000.0000000000000000)
      (setq Rl1     61.6640193456665950)
      (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                      =           9000000.0000000000000000
;Desired Amplification                  =          30553249.8654445410000000
;Initial Result 1 Amplitude             =           1020167.3008604913000000
;Secondary Result 2 Amplitude           =           1869222.3301729562000000
;Computed Ac1
;(Component Amplification Factor)        =                 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =                 1.8322703821189952
;Sign 1 (sign of Result 1)              =                -1.0000000000000000
;Sign 2 (sign of Result 2)              =                -1.0000000000000000
;L1                                     =                 0.0005778500000000
```

```
;C1                                     =                8.4907206937902480
;C2                                     =                0.9364765471092184
;C3                                     =                0.0000001057367829
;Rd                                     =          3022600.0000000000000000
;R1                                     =        444500000.0000000000000000
;Rl1                                    =               61.6640193456665950
;
;
    (setq count      9.0000000000000000)
    (setq DesFreq 9000000.0000000000000000)
    (setq DesAmp 30553249.8654445410000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1869222.3301729562000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp      1.8322703821189952)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      8.4907206937902480)
    (setq C2      0.9364765471092184)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1      61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                      =         10000000.0000000000000000
;Desired Amplification                  =         -5010846.0536457198000000
;Initial Result 1 Amplitude             =          1020167.3008604913000000
;Secondary Result 2 Amplitude           =          1869996.4813518643000000
;Computed Ac1
;(Component Amplification Factor)        =                0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =                1.8330292293965496
;Sign 1 (sign of Result 1)              =               -1.0000000000000000
;Sign 2 (sign of Result 2)              =               -0.9999999999999999
;L1                                     =                0.0005778500000000
;C1                                     =                6.8774837619701001
;C2                                     =                0.7585460031584668
;C3                                     =                0.0000001057367829
;Rd                                     =          3022600.0000000000000000
;R1                                     =        444500000.0000000000000000
;Rl1                                    =               61.6640193456665950
;
;
    (setq count     10.0000000000000000)
    (setq DesFreq 10000000.0000000000000000)
    (setq DesAmp -5010846.0536457198000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1869996.4813518643000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp      1.8330292293965496)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -0.9999999999999999)
    (setq L1      0.0005778500000000)
```

```
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1    61.6640193456665950)
    (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Signl Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                     =          8000000.0000000000000000
;Desired Amplification                 =       -128673485.5820325600000000
;Initial Result 1 Amplitude            =          1020167.3008604913000000
;Secondary Result 2 Amplitude          =          1868141.1211032807000000
;Computed Acl
;(Component Amplification Factor)       =                0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                   =                1.8312105470617810
;Sign 1 (sign of Result 1)             =               -1.0000000000000000
;Sign 2 (sign of Result 2)             =               -1.0000000000000000
;L1                                    =                0.0005778500000000
;C1                                    =               10.7460683780782840
;C2                                    =                1.1852281299351046
;C3                                    =                0.0000001057367829
;Rd                                    =          3022600.0000000000000000
;R1                                    =        444500000.0000000000000000
;Rl1                                   =               61.6640193456665950
;
;
    (setq count      8.0000000000000000)
    (setq DesFreq 8000000.0000000000000000)
    (setq DesAmp -128673485.5820325600000000)
    (setq InitlAmp 1020167.3008604913000000)
    (setq Sec2Amp 1868141.1211032807000000)
    (setq CompAcl      0.4445000000000000)
    (setq CheckAmp     1.8312105470617810)
    (setq Signl     -1.0000000000000000)
    (setq Sign2     -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1     10.7460683780782840)
    (setq C2      1.1852281299351046)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1    61.6640193456665950)
    (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Signl Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                     =          9000000.0000000000000000
;Desired Amplification                 =         30553249.8654445410000000
;Initial Result 1 Amplitude            =          1020167.3008604913000000
;Secondary Result 2 Amplitude          =          1869222.3301729562000000
;Computed Acl
;(Component Amplification Factor)       =                0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                   =                1.8322703821189952
;Sign 1 (sign of Result 1)             =               -1.0000000000000000
;Sign 2 (sign of Result 2)             =               -1.0000000000000000
;L1                                    =                0.0005778500000000
```

```
;C1                                     =               8.4907206937902480
;C2                                     =               0.9364765471092184
;C3                                     =               0.0000001057367829
;Rd                                     =            3022600.0000000000000000
;R1                                     =          444500000.0000000000000000
;Rl1                                    =                 61.6640193456665950
;
;
    (setq count    9.0000000000000000)
    (setq DesFreq 9000000.0000000000000000)
    (setq DesAmp 30553249.8654445410000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1869222.3301729562000000)
    (setq CompAc1    0.4445000000000000)
    (setq CheckAmp    1.8322703821189952)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1     0.0005778500000000)
    (setq C1     8.4907206937902480)
    (setq C2     0.9364765471092184)
    (setq C3     0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                      =           10000000.0000000000000000
;Desired Amplification                  =           -5010846.0536457198000000
;Initial Result 1 Amplitude             =            1020167.3008604913000000
;Secondary Result 2 Amplitude           =            1869996.4813518643000000
;Computed Ac1
; (Component Amplification Factor)       =                  0.4445000000000000
;Check of Amplification Factor Desired
; (Result 2/Result 1)                   =                  1.8330292293965496
;Sign 1 (sign of Result 1)              =                 -1.0000000000000000
;Sign 2 (sign of Result 2)              =                 -0.9999999999999999
;L1                                     =                  0.0005778500000000
;C1                                     =                  6.8774837619701001
;C2                                     =                  0.7585460031584668
;C3                                     =                  0.0000001057367829
;Rd                                     =            3022600.0000000000000000
;R1                                     =          444500000.0000000000000000
;Rl1                                    =                 61.6640193456665950
;
;
    (setq count    10.0000000000000000)
    (setq DesFreq 10000000.0000000000000000)
    (setq DesAmp -5010846.0536457198000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1869996.4813518643000000)
    (setq CompAc1    0.4445000000000000)
    (setq CheckAmp    1.8330292293965496)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -0.9999999999999999)
    (setq L1     0.0005778500000000)
```

```
    (setq C1      6.8774837619701001)
    (setq C2      0.7585460031584668)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                       =        11000000.0000000000000000
;Desired Amplification                   =          479465.4204936419300000
;Initial Result 1 Amplitude              =         1020167.3008604913000000
;Secondary Result 2 Amplitude            =         1870569.6784979163000000
;Computed Ac1
;(Component Amplification Factor)         =               0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                     =               1.8335910952253882
;Sign 1 (sign of Result 1)               =              -1.0000000000000000
;Sign 2 (sign of Result 2)               =              -1.0000000000000000
;L1                                      =               0.0005778500000000
;C1                                      =               5.6838708776612412
;C2                                      =               0.6268975232714603
;C3                                      =               0.0000001057367829
;Rd                                      =         3022600.0000000000000000
;R1                                      =       444500000.0000000000000000
;Rl1                                     =              61.6640193456665950
;
;
    (setq count    11.0000000000000000)
    (setq DesFreq 11000000.0000000000000000)
    (setq DesAmp 479465.4204936419300000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1870569.6784979163000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp     1.8335910952253882)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1       0.0005778500000000)
    (setq C1       5.6838708776612412)
    (setq C2       0.6268975232714603)
    (setq C3       0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1      61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                       =        12000000.0000000000000000
;Desired Amplification                   =          -15002.7358968357890000
;Initial Result 1 Amplitude              =         1020167.3008604913000000
;Secondary Result 2 Amplitude            =         1871005.8766148859000000
;Computed Ac1
;(Component Amplification Factor)         =               0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                     =               1.8340186703070456
```

```
;Sign 1 (sign of Result 1)            =                    -1.0000000000000000
;Sign 2 (sign of Result 2)            =                    -1.0000000000000000
;L1                                   =                     0.0005778500000000
;C1                                   =                     4.7760303902570147
;C2                                   =                     0.5267680577489353
;C3                                   =                     0.0000001057367829
;Rd                                   =               3022600.0000000000000000
;R1                                   =             444500000.0000000000000000
;R11                                  =                    61.6640193456665950
;
;
     (setq count    12.0000000000000000)
     (setq DesFreq 12000000.0000000000000000)
     (setq DesAmp -15002.7358968357890000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1871005.8766148859000000)
     (setq CompAc1     0.4445000000000000)
     (setq CheckAmp    1.8340186703070456)
     (setq Sign1    -1.0000000000000000)
     (setq Sign2    -1.0000000000000000)
     (setq L1       0.0005778500000000)
     (setq C1       4.7760303902570147)
     (setq C2       0.5267680577489353)
     (setq C3       0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq R11      61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                    =              13000000.0000000000000000
;Desired Amplification                =                  -451.4205128024560200
;Initial Result 1 Amplitude           =               1020167.3008604913000000
;Secondary Result 2 Amplitude         =               1871345.4814504706000000
;Computed Ac1
; (Component Amplification Factor)     =                     0.4445000000000000
;Check of Amplification Factor Desired
; (Result 2/Result 1)                 =                     1.8343515616233015
;Sign 1 (sign of Result 1)            =                    -1.0000000000000000
;Sign 2 (sign of Result 2)            =                    -1.0000000000000000
;L1                                   =                     0.0005778500000000
;C1                                   =                     4.0695170189172201
;C2                                   =                     0.4488437888511638
;C3                                   =                     0.0000001057367829
;Rd                                   =               3022600.0000000000000000
;R1                                   =             444500000.0000000000000000
;R11                                  =                    61.6640193456665950
;
;
     (setq count    13.0000000000000000)
     (setq DesFreq 13000000.0000000000000000)
     (setq DesAmp  -451.4205128024560200)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1871345.4814504706000000)
     (setq CompAc1     0.4445000000000000)
     (setq CheckAmp    1.8343515616233015)
```

```
    (setq C1      6.8774837619701001)
    (setq C2      0.7585460031584668)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1      61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                        =           11000000.0000000000000000
;Desired Amplification                    =             479465.4204936419300000
;Initial Result 1 Amplitude               =            1020167.3008604913000000
;Secondary Result 2 Amplitude             =            1870569.6784979163000000
;Computed Ac1
;(Component Amplification Factor)          =                  0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                       =                  1.8335910952253882
;Sign 1 (sign of Result 1)                 =                 -1.0000000000000000
;Sign 2 (sign of Result 2)                 =                 -1.0000000000000000
;L1                                        =                  0.0005778500000000
;C1                                        =                  5.6838708776612412
;C2                                        =                  0.6268975232714603
;C3                                        =                  0.0000001057367829
;Rd                                        =            3022600.0000000000000000
;R1                                        =          444500000.0000000000000000
;Rl1                                       =                 61.6640193456665950
;
;
    (setq count     11.0000000000000000)
    (setq DesFreq 11000000.0000000000000000)
    (setq DesAmp 479465.4204936419300000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1870569.6784979163000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp     1.8335910952253882)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      5.6838708776612412)
    (setq C2      0.6268975232714603)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1      61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                        =           12000000.0000000000000000
;Desired Amplification                    =             -15002.7358968357890000
;Initial Result 1 Amplitude               =            1020167.3008604913000000
;Secondary Result 2 Amplitude             =            1871005.8766148859000000
;Computed Ac1
;(Component Amplification Factor)          =                  0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                       =                  1.8340186703070456
```

```
;Sign 1 (sign of Result 1)              =              -1.0000000000000000
;Sign 2 (sign of Result 2)              =              -1.0000000000000000
;L1                                      =               0.0005778500000000
;C1                                      =               4.7760303902570147
;C2                                      =               0.5267680577489353
;C3                                      =               0.0000001057367829
;Rd                                      =         3022600.0000000000000000
;R1                                      =       444500000.0000000000000000
;Rl1                                     =              61.6640193456665950
;
;
     (setq count    12.0000000000000000)
     (setq DesFreq 12000000.0000000000000000)
     (setq DesAmp -15002.7358968357890000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1871005.8766148859000000)
     (setq CompAc1     0.4445000000000000)
     (setq CheckAmp    1.8340186703070456)
     (setq Sign1    -1.0000000000000000)
     (setq Sign2    -1.0000000000000000)
     (setq L1       0.0005778500000000)
     (setq C1       4.7760303902570147)
     (setq C2       0.5267680577489353)
     (setq C3       0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq Rl1      61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                       =        13000000.0000000000000000
;Desired Amplification                   =            -451.4205128024560200
;Initial Result 1 Amplitude              =         1020167.3008604913000000
;Secondary Result 2 Amplitude            =         1871345.4814504706000000
;Computed Ac1
;(Component Amplification Factor)         =               0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                     =               1.8343515616233015
;Sign 1 (sign of Result 1)               =              -1.0000000000000000
;Sign 2 (sign of Result 2)               =              -1.0000000000000000
;L1                                      =               0.0005778500000000
;C1                                      =               4.0695170189172201
;C2                                      =               0.4488437888511638
;C3                                      =               0.0000001057367829
;Rd                                      =         3022600.0000000000000000
;R1                                      =       444500000.0000000000000000
;Rl1                                     =              61.6640193456665950
;
;
     (setq count    13.0000000000000000)
     (setq DesFreq 13000000.0000000000000000)
     (setq DesAmp   -451.4205128024560200)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1871345.4814504706000000)
     (setq CompAc1     0.4445000000000000)
     (setq CheckAmp    1.8343515616233015)
```

```
     (setq Sign1    -1.0000000000000000)
     (setq Sign2    -1.0000000000000000)
     (setq L1    0.0005778500000000)
     (setq C1    4.0695170189172201)
     (setq C2    0.4488437888511638)
     (setq C3    0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq Rl1    61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =              14000000.0000000000000000
;Desired Amplification                =                   -40.2512820496720070
;Initial Result 1 Amplitude           =                 1020167.3008604913000000
;Secondary Result 2 Amplitude         =                 1871615.0351590670000000
;Computed Ac1
;(Component Amplification Factor)      =                     0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =                     1.8346157866267583
;Sign 1 (sign of Result 1)            =                    -1.0000000000000000
;Sign 2 (sign of Result 2)            =                    -0.9999999999999999
;L1                                   =                     0.0005778500000000
;C1                                   =                     3.5089202867194391
;C2                                   =                     0.3870132669175851
;C3                                   =                     0.0000001057367829
;Rd                                   =                 3022600.0000000000000000
;R1                                   =               444500000.0000000000000000
;Rl1                                  =                    61.6640193456665950
;
;
     (setq count    14.0000000000000000)
     (setq DesFreq 14000000.0000000000000000)
     (setq DesAmp    -40.2512820496720070)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1871615.0351590670000000)
     (setq CompAc1    0.4445000000000000)
     (setq CheckAmp    1.8346157866267583)
     (setq Sign1    -1.0000000000000000)
     (setq Sign2    -0.9999999999999999)
     (setq L1    0.0005778500000000)
     (setq C1    3.5089202867194391)
     (setq C2    0.3870132669175851)
     (setq C3    0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq Rl1    61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =              15000000.0000000000000000
;Desired Amplification                =                    -5.8999999997640007
;Initial Result 1 Amplitude           =                 1020167.3008604913000000
;Secondary Result 2 Amplitude         =                 1871832.5545329123000000
;Computed Ac1
```

```
;(Component Amplification Factor)          =                0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                       =                1.8348290059425136
;Sign 1 (sign of Result 1)                 =               -1.0000000000000000
;Sign 2 (sign of Result 2)                 =               -0.9999999999999999
;L1                                        =                0.0005778500000000
;C1                                        =                3.0566594497644894
;C2                                        =                0.3371315569593186
;C3                                        =                0.0000001057367829
;Rd                                        =          3022600.0000000000000000
;R1                                        =        444500000.0000000000000000
;Rl1                                       =               61.6640193456665950
;
;
      (setq count    15.0000000000000000)
      (setq DesFreq 15000000.0000000000000000)
      (setq DesAmp     -5.8999999997640007)
      (setq Init1Amp 1020167.3008604913000000)
      (setq Sec2Amp 1871832.5545329123000000)
      (setq CompAc1      0.4445000000000000)
      (setq CheckAmp     1.8348290059425136)
      (setq Sign1      -1.0000000000000000)
      (setq Sign2      -0.9999999999999999)
      (setq L1       0.0005778500000000)
      (setq C1       3.0566594497644894)
      (setq C2       0.3371315569593186)
      (setq C3       0.0000001057367829)
      (setq Rd 3022600.0000000000000000)
      (setq R1 444500000.0000000000000000)
      (setq Rl1      61.6640193456665950)
      (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                         =         16000000.0000000000000000
;Desired Amplification                     =               -1.2384615384120001
;Initial Result 1 Amplitude                =          1020167.3008604913000000
;Secondary Result 2 Amplitude              =          1872010.6165531252000000
;Computed Ac1
;(Component Amplification Factor)          =                0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                       =                1.8350035479221112
;Sign 1 (sign of Result 1)                 =               -1.0000000000000000
;Sign 2 (sign of Result 2)                 =               -0.9999999999999999
;L1                                        =                0.0005778500000000
;C1                                        =                2.6865170945195711
;C2                                        =                0.2963070324837762
;C3                                        =                0.0000001057367829
;Rd                                        =          3022600.0000000000000000
;R1                                        =        444500000.0000000000000000
;Rl1                                       =               61.6640193456665950
;
;
      (setq count    16.0000000000000000)
      (setq DesFreq 16000000.0000000000000000)
      (setq DesAmp     -1.2384615384120001)
      (setq Init1Amp 1020167.3008604913000000)
```

```
      (setq Sec2Amp 1872010.6165531252000000)
      (setq CompAc1      0.4445000000000000)
      (setq CheckAmp     1.8350035479221112)
      (setq Sign1    -1.0000000000000000)
      (setq Sign2    -0.9999999999999999)
      (setq L1       0.0005778500000000)
      (setq C1       2.6865170945195711)
      (setq C2       0.2963070324837762)
      (setq C3       0.0000001057367829)
      (setq Rd 3022600.0000000000000000)
      (setq R1 444500000.0000000000000000)
      (setq R11     61.6640193456665950)
      (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                    =         17000000.0000000000000000
;Desired Amplification                =               -0.3435897435760000
;Initial Result 1 Amplitude           =          1020167.3008604913000000
;Secondary Result 2 Amplitude         =          1872158.2158779176000000
;Computed Ac1
; (Component Amplification Factor)     =                0.4445000000000000
;Check of Amplification Factor Desired
; (Result 2/Result 1)                 =                1.8351482294117725
;Sign 1 (sign of Result 1)            =               -1.0000000000000000
;Sign 2 (sign of Result 2)            =               -1.0000000000000000
;L1                                   =                0.0005778500000000
;C1                                   =                2.3797521667716617
;C2                                   =                0.2624726654527567
;C3                                   =                0.0000001057367829
;Rd                                   =          3022600.0000000000000000
;R1                                   =        444500000.0000000000000000
;R11                                  =               61.6640193456665950
;
;
      (setq count     17.0000000000000000)
      (setq DesFreq 17000000.0000000000000000)
      (setq DesAmp     -0.3435897435760000)
      (setq Init1Amp 1020167.3008604913000000)
      (setq Sec2Amp 1872158.2158779176000000)
      (setq CompAc1      0.4445000000000000)
      (setq CheckAmp     1.8351482294117725)
      (setq Sign1    -1.0000000000000000)
      (setq Sign2    -1.0000000000000000)
      (setq L1       0.0005778500000000)
      (setq C1       2.3797521667716617)
      (setq C2       0.2624726654527567)
      (setq C3       0.0000001057367829)
      (setq Rd 3022600.0000000000000000)
      (setq R1 444500000.0000000000000000)
      (setq R11     61.6640193456665950)
      (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                    =         18000000.0000000000000000
;Desired Amplification                =               -0.0794871794840000
```

```
;Initial Result 1 Amplitude              =        1020167.3008604913000000
;Secondary Result 2 Amplitude            =        1872281.9229742154000000
;Computed Ac1
;(Component Amplification Factor)         =              0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                      =              1.8352694909893525
;Sign 1 (sign of Result 1)                =             -1.0000000000000000
;Sign 2 (sign of Result 2)                =             -1.0000000000000000
;L1                                       =              0.0005778500000000
;C1                                       =              2.1226801734475620
;C2                                       =              0.2341191367773046
;C3                                       =              0.0000001057367829
;Rd                                       =        3022600.0000000000000000
;R1                                       =      444500000.0000000000000000
;R11                                      =             61.6640193456665950
;
;
    (setq count    18.0000000000000000)
    (setq DesFreq 18000000.0000000000000000)
    (setq DesAmp    -0.0794871794840000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1872281.9229742154000000)
    (setq CompAc1    0.4445000000000000)
    (setq CheckAmp   1.8352694909893525)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1       0.0005778500000000)
    (setq C1       2.1226801734475620)
    (setq C2       0.2341191367773046)
    (setq C3       0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq R11      61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                        =       19000000.0000000000000000
;Desired Amplification                    =             -0.0333333333320000
;Initial Result 1 Amplitude               =        1020167.3008604913000000
;Secondary Result 2 Amplitude             =        1872386.6283026757000000
;Computed Ac1
;(Component Amplification Factor)          =              0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                       =              1.8353721264378442
;Sign 1 (sign of Result 1)                 =             -1.0000000000000000
;Sign 2 (sign of Result 2)                 =             -0.9999999999999999
;L1                                        =              0.0005778500000000
;C1                                        =              1.9051201556703885
;C2                                        =              0.2101235465812928
;C3                                        =              0.0000001057367829
;Rd                                        =        3022600.0000000000000000
;R1                                        =      444500000.0000000000000000
;R11                                       =             61.6640193456665950
;
;
    (setq count    19.0000000000000000)
```

```
    (setq DesFreq 19000000.0000000000000000)
    (setq DesAmp     -0.0333333333320000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1872386.6283026757000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp     1.8353721264378442)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -0.9999999999999999)
    (setq L1      0.0005778500000000)
    (setq C1      1.9051201556703885)
    (setq C2      0.2101235465812928)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq R11     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                     =          20000000.0000000000000000
;Desired Amplification                 =                -0.0128205128200000
;Initial Result 1 Amplitude            =           1020167.3008604913000000
;Secondary Result 2 Amplitude          =           1872476.0329502621000000
;Computed Ac1
;(Component Amplification Factor)       =                 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                   =                 1.8354597636788250
;Sign 1 (sign of Result 1)             =                -1.0000000000000000
;Sign 2 (sign of Result 2)             =                -1.0000000000000000
;L1                                    =                 0.0005778500000000
;C1                                    =                 1.7193709404925250
;C2                                    =                 0.1896365007896167
;C3                                    =                 0.0000001057367829
;Rd                                    =           3022600.0000000000000000
;R1                                    =         444500000.0000000000000000
;R11                                   =                61.6640193456665950
;
;
    (setq count     20.0000000000000000)
    (setq DesFreq 20000000.0000000000000000)
    (setq DesAmp     -0.0128205128200000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1872476.0329502621000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp     1.8354597636788250)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      1.7193709404925250)
    (setq C2      0.1896365007896167)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq R11     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
```

```
;
;Desired Frequency                        =              21000000.0000000000000000
;Desired Amplification                    =                     0.0358974358960000
;Initial Result 1 Amplitude               =               1020167.3008604913000000
;Secondary Result 2 Amplitude             =               1872552.9794313386000000
;Computed Ac1
;(Component Amplification Factor)          =                     0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                       =                     1.8355351890340699
;Sign 1 (sign of Result 1)                 =                    -1.0000000000000000
;Sign 2 (sign of Result 2)                 =                    -1.0000000000000000
;L1                                         =                     0.0005778500000000
;C1                                         =                     1.5595201274308621
;C2                                         =                     0.1720058964078156
;C3                                         =                     0.0000001057367829
;Rd                                         =              3022600.0000000000000000
;R1                                         =            444500000.0000000000000000
;R11                                        =                    61.6640193456665950
;
;
      (setq count     21.0000000000000000)
      (setq DesFreq 21000000.0000000000000000)
      (setq DesAmp     0.0358974358960000)
      (setq Init1Amp 1020167.3008604913000000)
      (setq Sec2Amp 1872552.9794313386000000)
      (setq CompAc1     0.4445000000000000)
      (setq CheckAmp    1.8355351890340699)
      (setq Sign1    -1.0000000000000000)
      (setq Sign2    -1.0000000000000000)
      (setq L1      0.0005778500000000)
      (setq C1      1.5595201274308621)
      (setq C2      0.1720058964078156)
      (setq C3      0.0000001057367829)
      (setq Rd 3022600.0000000000000000)
      (setq R1 444500000.0000000000000000)
      (setq R11     61.6640193456665950)
      (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                        =              22000000.0000000000000000
;Desired Amplification                    =                     0.0128205128200000
;Initial Result 1 Amplitude               =               1020167.3008604913000000
;Secondary Result 2 Amplitude             =               1872619.6795111662000000
;Computed Ac1
;(Component Amplification Factor)          =                     0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                       =                     1.8356005705452900
;Sign 1 (sign of Result 1)                 =                    -1.0000000000000000
;Sign 2 (sign of Result 2)                 =                    -1.0000000000000000
;L1                                         =                     0.0005778500000000
;C1                                         =                     1.4209677194153103
;C2                                         =                     0.1567243808178651
;C3                                         =                     0.0000001057367829
;Rd                                         =              3022600.0000000000000000
;R1                                         =            444500000.0000000000000000
;R11                                        =                    61.6640193456665950
```

```
;
;
    (setq count    22.0000000000000000)
    (setq DesFreq 22000000.0000000000000000)
    (setq DesAmp      0.0128205128200000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1872619.6795111662000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp     1.8356005705452900)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      1.4209677194153103)
    (setq C2      0.1567243808178651)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1      61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                       =               23000000.0000000000000000
;Desired Amplification                   =                     -0.0179487179480000
;Initial Result 1 Amplitude              =                1020167.3008604913000000
;Secondary Result 2 Amplitude            =                1872677.8745289387000000
;Computed Ac1
;(Component Amplification Factor)         =                      0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                     =                      1.8356576151278043
;Sign 1 (sign of Result 1)               =                     -1.0000000000000000
;Sign 2 (sign of Result 2)               =                     -1.0000000000000000
;L1                                      =                      0.0005778500000000
;C1                                      =                      1.3000914483875428
;C2                                      =                      0.1433924391603907
;C3                                      =                      0.0000001057367829
;Rd                                      =                3022600.0000000000000000
;R1                                      =              444500000.0000000000000000
;Rl1                                     =                     61.6640193456665950
;
;
    (setq count    23.0000000000000000)
    (setq DesFreq 23000000.0000000000000000)
    (setq DesAmp     -0.0179487179480000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1872677.8745289387000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp     1.8356576151278043)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      1.3000914483875428)
    (setq C2      0.1433924391603907)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1      61.6640193456665950)
```

```
        (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                         =                24000000.0000000000000000
;Desired Amplification                     =                      -0.0102564102560000
;Initial Result 1 Amplitude                =                 1020167.3008604913000000
;Secondary Result 2 Amplitude              =                 1872728.9505710944000000
;Computed Ac1
;(Component Amplification Factor)           =                       0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                       =                       1.8357076814670339
;Sign 1 (sign of Result 1)                 =                      -1.0000000000000000
;Sign 2 (sign of Result 2)                 =                      -1.0000000000000000
;L1                                        =                       0.0005778500000000
;C1                                        =                       1.1940075975642537
;C2                                        =                       0.1316920144372338
;C3                                        =                       0.0000001057367829
;Rd                                        =                 3022600.0000000000000000
;R1                                        =               444500000.0000000000000000
;R11                                       =                      61.6640193456665950
;
;
    (setq count     24.0000000000000000)
    (setq DesFreq 24000000.0000000000000000)
    (setq DesAmp      -0.0102564102560000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1872728.9505710944000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp     1.8357076814670339)
    (setq Sign1       -1.0000000000000000)
    (setq Sign2       -1.0000000000000000)
    (setq L1       0.0005778500000000)
    (setq C1       1.1940075975642537)
    (setq C2       0.1316920144372338)
    (setq C3       0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq R11      61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                         =                25000000.0000000000000000
;Desired Amplification                     =                       0.0000000000000000
;Initial Result 1 Amplitude                =                 1020167.3008604913000000
;Secondary Result 2 Amplitude              =                 1872774.0225063278000000
;Computed Ac1
;(Component Amplification Factor)           =                       0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                       =                       1.8357518623922562
;Sign 1 (sign of Result 1)                 =                      -1.0000000000000000
;Sign 2 (sign of Result 2)                 =                      -1.0000000000000000
;L1                                        =                       0.0005778500000000
;C1                                        =                       1.1003974019152161
;C2                                        =                       0.1213673605053547
;C3                                        =                       0.0000001057367829
```

```
;Rd                                  =              3022600.0000000000000000
;R1                                  =           444500000.0000000000000000
;R11                                 =                  61.6640193456665950
;
;
    (setq count    25.0000000000000000)
    (setq DesFreq 25000000.0000000000000000)
    (setq DesAmp      0.0000000000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1872774.0225063278000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp     1.8357518623922562)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1       0.0005778500000000)
    (setq C1       1.1003974019152161)
    (setq C2       0.1213673605053547)
    (setq C3       0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq R11      61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                   =            26000000.0000000000000000
;Desired Amplification               =                  -0.0076923076920000
;Initial Result 1 Amplitude          =             1020167.3008604913000000
;Secondary Result 2 Amplitude        =             1872813.9957627719000000
;Computed Ac1
;(Component Amplification Factor)     =                   0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                 =                   1.8357910454325381
;Sign 1 (sign of Result 1)           =                  -1.0000000000000000
;Sign 2 (sign of Result 2)           =                  -1.0000000000000000
;L1                                  =                   0.0005778500000000
;C1                                  =                   1.0173792547293050
;C2                                  =                   0.1122109472127910
;C3                                  =                   0.0000001057367829
;Rd                                  =             3022600.0000000000000000
;R1                                  =           444500000.0000000000000000
;R11                                 =                  61.6640193456665950
;
;
    (setq count    26.0000000000000000)
    (setq DesFreq 26000000.0000000000000000)
    (setq DesAmp    -0.0076923076920000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1872813.9957627719000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp     1.8357910454325381)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1       0.0005778500000000)
    (setq C1       1.0173792547293050)
    (setq C2       0.1122109472127910)
    (setq C3       0.0000001057367829)
```

```
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq R11    61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                    =           27000000.0000000000000000
;Desired Amplification                =                 -0.0230769230760000
;Initial Result 1 Amplitude           =            1020167.3008604913000000
;Secondary Result 2 Amplitude         =            1872849.6118800519000000
;Computed Ac1
;(Component Amplification Factor)      =                  0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =                  1.8358259574682896
;Sign 1 (sign of Result 1)            =                 -1.0000000000000000
;Sign 2 (sign of Result 2)            =                 -1.0000000000000000
;L1                                   =                  0.0005778500000000
;C1                                   =                  0.9434134104211388
;C2                                   =                  0.1040529496788021
;C3                                   =                  0.0000001057367829
;Rd                                   =            3022600.0000000000000000
;R1                                   =          444500000.0000000000000000
;R11                                  =                 61.6640193456665950
;
;
     (setq count      27.0000000000000000)
     (setq DesFreq 27000000.0000000000000000)
     (setq DesAmp     -0.0230769230760000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1872849.6118800519000000)
     (setq CompAc1      0.4445000000000000)
     (setq CheckAmp     1.8358259574682896)
     (setq Sign1     -1.0000000000000000)
     (setq Sign2     -1.0000000000000000)
     (setq L1      0.0005778500000000)
     (setq C1      0.9434134104211388)
     (setq C2      0.1040529496788021)
     (setq C3      0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq R11    61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                    =           28000000.0000000000000000
;Desired Amplification                =                 -0.0076923076920000
;Initial Result 1 Amplitude           =            1020167.3008604913000000
;Secondary Result 2 Amplitude         =            1872881.4824102169000000
;Computed Ac1
;(Component Amplification Factor)      =                  0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =                  1.8358571979620184
;Sign 1 (sign of Result 1)            =                 -1.0000000000000000
;Sign 2 (sign of Result 2)            =                 -0.9999999999999999
;L1                                   =                  0.0005778500000000
```

```
;C1                                      =                  0.8772300716798598
;C2                                      =                  0.0967533167293963
;C3                                      =                  0.0000001057367829
;Rd                                      =              3022600.0000000000000000
;R1                                      =            444500000.0000000000000000
;R11                                     =                 61.6640193456665950
;
;
     (setq count    28.0000000000000000)
     (setq DesFreq 28000000.0000000000000000)
     (setq DesAmp    -0.0076923076920000)
     (setq InitlAmp 1020167.3008604913000000)
     (setq Sec2Amp 1872881.4824102169000000)
     (setq CompAcl     0.4445000000000000)
     (setq CheckAmp    1.8358571979620184)
     (setq Sign1    -1.0000000000000000)
     (setq Sign2    -0.9999999999999999)
     (setq L1     0.0005778500000000)
     (setq C1     0.8772300716798598)
     (setq C2     0.0967533167293963)
     (setq C3     0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq Rll    61.6640193456665950)
     (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                       =             29000000.0000000000000000
;Desired Amplification                   =                  0.0153846153840000
;Initial Result 1 Amplitude              =              1020167.3008604913000000
;Secondary Result 2 Amplitude            =              1872910.1147837136000000
;Computed Acl
;(Component Amplification Factor)         =                  0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                     =                  1.8358852643129715
;Sign 1 (sign of Result 1)               =                 -1.0000000000000000
;Sign 2 (sign of Result 2)               =                 -1.0000000000000000
;L1                                      =                  0.0005778500000000
;C1                                      =                  0.8177745257990610
;C2                                      =                  0.0901957197572493
;C3                                      =                  0.0000001057367829
;Rd                                      =              3022600.0000000000000000
;R1                                      =            444500000.0000000000000000
;R11                                     =                 61.6640193456665950
;
;
     (setq count    29.0000000000000000)
     (setq DesFreq 29000000.0000000000000000)
     (setq DesAmp     0.0153846153840000)
     (setq InitlAmp 1020167.3008604913000000)
     (setq Sec2Amp 1872910.1147837136000000)
     (setq CompAcl     0.4445000000000000)
     (setq CheckAmp    1.8358852643129715)
     (setq Sign1    -1.0000000000000000)
     (setq Sign2    -1.0000000000000000)
     (setq L1     0.0005778500000000)
```

```
(setq C1      0.8177745257990610)
(setq C2      0.0901957197572493)
(setq C3      0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11     61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;
;Desired Frequency                    =         30000000.0000000000000000
;Desired Amplification                =                0.0000000000000000
;Initial Result 1 Amplitude           =          1020167.3008604913000000
;Secondary Result 2 Amplitude         =          1872935.9327269779000000
;Computed Ac1
;(Component Amplification Factor)      =                0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =                1.8359105718710969
;Sign 1 (sign of Result 1)            =               -1.0000000000000000
;Sign 2 (sign of Result 2)            =               -0.9999999999999999
;L1                                   =                0.0005778500000000
;C1                                   =                0.7641648624411224
;C2                                   =                0.0842828892398296
;C3                                   =                0.0000001057367829
;Rd                                   =          3022600.0000000000000000
;R1                                   =        444500000.0000000000000000
;R11                                  =               61.6640193456665950
;
;

(setq count     30.0000000000000000)
(setq DesFreq 30000000.0000000000000000)
(setq DesAmp      0.0000000000000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1872935.9327269779000000)
(setq CompAc1     0.4445000000000000)
(setq CheckAmp    1.8359105718710969)
(setq Sign1     -1.0000000000000000)
(setq Sign2     -0.9999999999999999)
(setq L1      0.0005778500000000)
(setq C1      0.7641648624411224)
(setq C2      0.0842828892398296)
(setq C3      0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11     61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                    =         31000000.0000000000000000
;Desired Amplification                =                0.0051282051280000
;Initial Result 1 Amplitude           =          1020167.3008604913000000
;Secondary Result 2 Amplitude         =          1872959.2926833017000000
;Computed Ac1
;(Component Amplification Factor)      =                0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =                1.8359334700332945
```

```
;Sign 1 (sign of Result 1)                =                     -1.0000000000000000
;Sign 2 (sign of Result 2)                =                     -1.0000000000000000
;L1                                        =                      0.0005778500000000
;C1                                        =                      0.7156590803298754
;C2                                        =                      0.0789329868010892
;C3                                        =                      0.0000001057367829
;Rd                                        =                3022600.0000000000000000
;R1                                        =              444500000.0000000000000000
;R11                                       =                     61.6640193456665950
;
;
      (setq count     31.0000000000000000)
      (setq DesFreq 31000000.0000000000000000)
      (setq DesAmp      0.0051282051280000)
      (setq Init1Amp 1020167.3008604913000000)
      (setq Sec2Amp 1872959.2926833017000000)
      (setq CompAc1     0.4445000000000000)
      (setq CheckAmp    1.8359334700332945)
      (setq Sign1     -1.0000000000000000)
      (setq Sign2     -1.0000000000000000)
      (setq L1       0.0005778500000000)
      (setq C1       0.7156590803298754)
      (setq C2       0.0789329868010892)
      (setq C3       0.0000001057367829)
      (setq Rd 3022600.0000000000000000)
      (setq R1 444500000.0000000000000000)
      (setq R11      61.6640193456665950)
      (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                         =               32000000.0000000000000000
;Desired Amplification                     =                      0.0358974358960000
;Initial Result 1 Amplitude                =                1020167.3008604913000000
;Secondary Result 2 Amplitude              =                1872980.4968127415000000
;Computed Ac1
;(Component Amplification Factor)           =                      0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                        =                      1.8359542549863330
;Sign 1 (sign of Result 1)                 =                     -1.0000000000000000
;Sign 2 (sign of Result 2)                 =                     -1.0000000000000000
;L1                                        =                      0.0005778500000000
;C1                                        =                      0.6716292736298928
;C2                                        =                      0.0740767581209440
;C3                                        =                      0.0000001057367829
;Rd                                        =                3022600.0000000000000000
;R1                                        =              444500000.0000000000000000
;R11                                       =                     61.6640193456665950
;
;
      (setq count     32.0000000000000000)
      (setq DesFreq 32000000.0000000000000000)
      (setq DesAmp      0.0358974358960000)
      (setq Init1Amp 1020167.3008604913000000)
      (setq Sec2Amp 1872980.4968127415000000)
      (setq CompAc1     0.4445000000000000)
      (setq CheckAmp    1.8359542549863330)
```

```
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.6716292736298928)
    (setq C2      0.0740767581209440)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rll     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rll)
;
;
;Desired Frequency                      =              33000000.0000000000000000
;Desired Amplification                  =                     0.0128205128200000
;Initial Result 1 Amplitude             =               1020167.3008604913000000
;Secondary Result 2 Amplitude           =               1872999.8028659739000000
;Computed Ac1
;(Component Amplification Factor)        =                     0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =                     1.8359731793855136
;Sign 1 (sign of Result 1)              =                    -1.0000000000000000
;Sign 2 (sign of Result 2)              =                    -1.0000000000000000
;L1                                     =                     0.0005778500000000
;C1                                     =                     0.6315412086290267
;C2                                     =                     0.0696552803634956
;C3                                     =                     0.0000001057367829
;Rd                                     =               3022600.0000000000000000
;R1                                     =             444500000.0000000000000000
;Rll                                    =                    61.6640193456665950
;
;
    (setq count     33.0000000000000000)
    (setq DesFreq 33000000.0000000000000000)
    (setq DesAmp      0.0128205128200000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1872999.8028659739000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp     1.8359731793855136)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.6315412086290267)
    (setq C2      0.0696552803634956)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rll     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rll)
;
;
;Desired Frequency                      =              34000000.0000000000000000
;Desired Amplification                  =                    -0.0179487179480000
;Initial Result 1 Amplitude             =               1020167.3008604913000000
;Secondary Result 2 Amplitude           =               1873017.4314863449000000
;Computed Ac1
```

```
;(Component Amplification Factor)          =               0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                       =               1.8359904595123675
;Sign 1 (sign of Result 1)                 =              -1.0000000000000000
;Sign 2 (sign of Result 2)                 =              -0.9999999999999999
;L1                                        =               0.0005778500000000
;C1                                        =               0.5949380416929154
;C2                                        =               0.0656181663631892
;C3                                        =               0.0000001057367829
;Rd                                        =         3022600.0000000000000000
;R1                                        =       444500000.0000000000000000
;R11                                       =              61.6640193456665950
;
;
     (setq count      34.0000000000000000)
     (setq DesFreq 34000000.0000000000000000)
     (setq DesAmp      -0.0179487179480000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873017.4314863449000000)
     (setq CompAc1      0.4445000000000000)
     (setq CheckAmp     1.8359904595123675)
     (setq Sign1       -1.0000000000000000)
     (setq Sign2       -0.9999999999999999)
     (setq L1       0.0005778500000000)
     (setq C1       0.5949380416929154)
     (setq C2       0.0656181663631892)
     (setq C3       0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq R11      61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                         =        35000000.0000000000000000
;Desired Amplification                     =              -0.0025641025640000
;Initial Result 1 Amplitude                =         1020167.3008604913000000
;Secondary Result 2 Amplitude              =         1873033.5718534247000000
;Computed Ac1
;(Component Amplification Factor)          =               0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                       =               1.8360062808066455
;Sign 1 (sign of Result 1)                 =              -1.0000000000000000
;Sign 2 (sign of Result 2)                 =              -1.0000000000000000
;L1                                        =               0.0005778500000000
;C1                                        =               0.5614272458751104
;C2                                        =               0.0619221227068136
;C3                                        =               0.0000001057367829
;Rd                                        =         3022600.0000000000000000
;R1                                        =       444500000.0000000000000000
;R11                                       =              61.6640193456665950
;
;
     (setq count      35.0000000000000000)
     (setq DesFreq 35000000.0000000000000000)
     (setq DesAmp      -0.0025641025640000)
     (setq Init1Amp 1020167.3008604913000000)
```

```
    (setq Sec2Amp 1873033.5718534247000000)
    (setq CompAc1    0.4445000000000000)
    (setq CheckAmp    1.8360062808066455)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1     0.0005778500000000)
    (setq C1     0.5614272458751104)
    (setq C2     0.0619221227068136)
    (setq C3     0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1    61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =        36000000.0000000000000000
;Desired Amplification                =               0.0051282051280000
;Initial Result 1 Amplitude           =         1020167.3008604913000000
;Secondary Result 2 Amplitude         =         1873048.3865729147000000
;Computed Ac1
;(Component Amplification Factor)      =               0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =               1.8360208026595588
;Sign 1 (sign of Result 1)            =              -1.0000000000000000
;Sign 2 (sign of Result 2)            =              -1.0000000000000000
;L1                                   =               0.0005778500000000
;C1                                   =               0.5306700433618905
;C2                                   =               0.0585297841943261
;C3                                   =               0.0000001057367829
;Rd                                   =         3022600.0000000000000000
;R1                                   =       444500000.0000000000000000
;Rl1                                  =              61.6640193456665950
;
;
    (setq count     36.0000000000000000)
    (setq DesFreq 36000000.0000000000000000)
    (setq DesAmp     0.0051282051280000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873048.3865729147000000)
    (setq CompAc1    0.4445000000000000)
    (setq CheckAmp    1.8360208026595588)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1     0.0005778500000000)
    (setq C1     0.5306700433618905)
    (setq C2     0.0585297841943261)
    (setq C3     0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1    61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =        37000000.0000000000000000
;Desired Amplification                =              -0.0128205128200000
```

```
;Initial Result 1 Amplitude              =           1020167.3008604913000000
;Secondary Result 2 Amplitude            =           1873062.0162400091000000
;Computed Ac1
;(Component Amplification Factor)         =                 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                      =                 1.8360341628869283
;Sign 1 (sign of Result 1)               =                -1.0000000000000000
;Sign 2 (sign of Result 2)               =                -1.0000000000000000
;L1                                       =                 0.0005778500000000
;C1                                       =                 0.5023728094937984
;C2                                       =                 0.0554087657529925
;C3                                       =                 0.0000001057367829
;Rd                                       =           3022600.0000000000000000
;R1                                       =         444500000.0000000000000000
;Rll                                      =                61.6640193456665950
;
;
     (setq count     37.0000000000000000)
     (setq DesFreq 37000000.0000000000000000)
     (setq DesAmp     -0.0128205128200000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873062.0162400091000000)
     (setq CompAc1     0.4445000000000000)
     (setq CheckAmp    1.8360341628869283)
     (setq Sign1     -1.0000000000000000)
     (setq Sign2     -1.0000000000000000)
     (setq L1      0.0005778500000000)
     (setq C1      0.5023728094937984)
     (setq C2      0.0554087657529925)
     (setq C3      0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq Rll     61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rll)
;
;
;Desired Frequency                        =          38000000.0000000000000000
;Desired Amplification                    =                -0.0205128205120000
;Initial Result 1 Amplitude               =           1020167.3008604913000000
;Secondary Result 2 Amplitude             =           1873074.5834968304000000
;Computed Ac1
;(Component Amplification Factor)          =                 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                       =                 1.8360464817064108
;Sign 1 (sign of Result 1)                =                -1.0000000000000000
;Sign 2 (sign of Result 2)                =                -1.0000000000000000
;L1                                        =                 0.0005778500000000
;C1                                        =                 0.4762800389175971
;C2                                        =                 0.0525308866453232
;C3                                        =                 0.0000001057367829
;Rd                                        =           3022600.0000000000000000
;R1                                        =         444500000.0000000000000000
;Rll                                       =                61.6640193456665950
;
;
     (setq count     38.0000000000000000)
```

```
    (setq Sec2Amp 1873033.5718534247000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp     1.8360062808066455)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.5614272458751104)
    (setq C2      0.0619221227068136)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;
;Desired Frequency                        =              36000000.0000000000000000
;Desired Amplification                    =                     0.0051282051280000
;Initial Result 1 Amplitude               =               1020167.3008604913000000
;Secondary Result 2 Amplitude             =               1873048.3865729147000000
;Computed Ac1
;(Component Amplification Factor)          =                     0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                      =                     1.8360208026595588
;Sign 1 (sign of Result 1)                =                    -1.0000000000000000
;Sign 2 (sign of Result 2)                =                    -1.0000000000000000
;L1                                       =                     0.0005778500000000
;C1                                       =                     0.5306700433618905
;C2                                       =                     0.0585297841943261
;C3                                       =                     0.0000001057367829
;Rd                                       =               3022600.0000000000000000
;R1                                       =             444500000.0000000000000000
;Rl1                                      =                    61.6640193456665950
;
;
    (setq count     36.0000000000000000)
    (setq DesFreq 36000000.0000000000000000)
    (setq DesAmp      0.0051282051280000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873048.3865729147000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp     1.8360208026595588)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.5306700433618905)
    (setq C2      0.0585297841943261)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                        =              37000000.0000000000000000
;Desired Amplification                    =                    -0.0128205128200000
```

```
;Initial Result 1 Amplitude              =              1020167.3008604913000000
;Secondary Result 2 Amplitude            =              1873062.0162400091000000
;Computed Ac1
;(Component Amplification Factor)         =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                      =                    1.8360341628869283
;Sign 1 (sign of Result 1)                =                   -1.0000000000000000
;Sign 2 (sign of Result 2)                =                   -1.0000000000000000
;L1                                       =                    0.0005778500000000
;C1                                       =                    0.5023728094937984
;C2                                       =                    0.0554087657529925
;C3                                       =                    0.0000001057367829
;Rd                                       =              3022600.0000000000000000
;R1                                       =            444500000.0000000000000000
;Rll                                      =                   61.6640193456665950
;
;
     (setq count      37.0000000000000000)
     (setq DesFreq 37000000.0000000000000000)
     (setq DesAmp     -0.0128205128200000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873062.0162400091000000)
     (setq CompAc1     0.4445000000000000)
     (setq CheckAmp    1.8360341628869283)
     (setq Sign1      -1.0000000000000000)
     (setq Sign2      -1.0000000000000000)
     (setq L1      0.0005778500000000)
     (setq C1      0.5023728094937984)
     (setq C2      0.0554087657529925)
     (setq C3      0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq Rll     61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rll)
;
;
;Desired Frequency                        =             38000000.0000000000000000
;Desired Amplification                    =                   -0.0205128205120000
;Initial Result 1 Amplitude               =              1020167.3008604913000000
;Secondary Result 2 Amplitude             =              1873074.5834968304000000
;Computed Ac1
;(Component Amplification Factor)          =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                       =                    1.8360464817064108
;Sign 1 (sign of Result 1)                 =                   -1.0000000000000000
;Sign 2 (sign of Result 2)                 =                   -1.0000000000000000
;L1                                        =                    0.0005778500000000
;C1                                        =                    0.4762800389175971
;C2                                        =                    0.0525308866453232
;C3                                        =                    0.0000001057367829
;Rd                                        =              3022600.0000000000000000
;R1                                        =            444500000.0000000000000000
;Rll                                       =                   61.6640193456665950
;
;
     (setq count      38.0000000000000000)
```

```
    (setq DesFreq 38000000.0000000000000000)
    (setq DesAmp     -0.0205128205120000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873074.5834968304000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp      1.8360464817064108)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.4762800389175971)
    (setq C2      0.0525308866453232)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1      61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;;
;Desired Frequency                    =            39000000.0000000000000000
;Desired Amplification                =               -0.0025641025640000
;Initial Result 1 Amplitude           =             1020167.3008604913000000
;Secondary Result 2 Amplitude         =             1873086.1961440123000000
;Computed Ac1
;(Component Amplification Factor)      =                   0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =                   1.8360578647875703
;Sign 1 (sign of Result 1)            =                  -1.0000000000000000
;Sign 2 (sign of Result 2)            =                  -1.0000000000000000
;L1                                   =                   0.0005778500000000
;C1                                   =                   0.4521685576574688
;C2                                   =                   0.0498715320945738
;C3                                   =                   0.0000001057367829
;Rd                                   =             3022600.0000000000000000
;R1                                   =           444500000.0000000000000000
;Rl1                                  =                  61.6640193456665950
;
;
    (setq count      39.0000000000000000)
    (setq DesFreq 39000000.0000000000000000)
    (setq DesAmp     -0.0025641025640000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873086.1961440123000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp      1.8360578647875703)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.4521685576574688)
    (setq C2      0.0498715320945738)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1      61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
```

```
;
;Desired Frequency                      =        40000000.0000000000000000
;Desired Amplification                  =               0.0179487179480000
;Initial Result 1 Amplitude             =         1020167.3008604913000000
;Secondary Result 2 Amplitude           =         1873096.9491375252000000
;Computed Ac1
;(Component Amplification Factor)        =               0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =               1.8360684052092282
;Sign 1 (sign of Result 1)              =              -1.0000000000000000
;Sign 2 (sign of Result 2)              =              -0.9999999999999999
;L1                                     =               0.0005778500000000
;C1                                     =               0.4298427351231313
;C2                                     =               0.0474091251974042
;C3                                     =               0.0000001057367829
;Rd                                     =         3022600.0000000000000000
;R1                                     =       444500000.0000000000000000
;Rl1                                    =              61.6640193456665950
;
;
    (setq count    40.0000000000000000)
    (setq DesFreq 40000000.0000000000000000)
    (setq DesAmp     0.0179487179480000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873096.9491375252000000)
    (setq CompAc1    0.4445000000000000)
    (setq CheckAmp    1.8360684052092282)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -0.9999999999999999)
    (setq L1      0.0005778500000000)
    (setq C1      0.4298427351231313)
    (setq C2      0.0474091251974042)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1      61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                      =        41000000.0000000000000000
;Desired Amplification                  =               0.0000000000000000
;Initial Result 1 Amplitude             =         1020167.3008604913000000
;Secondary Result 2 Amplitude           =         1873106.9258335105000000
;Computed Ac1
;(Component Amplification Factor)        =               0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =               1.8360781846796905
;Sign 1 (sign of Result 1)              =              -1.0000000000000000
;Sign 2 (sign of Result 2)              =              -1.0000000000000000
;L1                                     =               0.0005778500000000
;C1                                     =               0.4091305033890603
;C2                                     =               0.0451246878737934
;C3                                     =               0.0000001057367829
;Rd                                     =         3022600.0000000000000000
;R1                                     =       444500000.0000000000000000
;Rl1                                    =              61.6640193456665950
;
```

```
;
;
    (setq count    41.0000000000000000)
    (setq DesFreq 41000000.0000000000000000)
    (setq DesAmp     0.0000000000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873106.9258335105000000)
    (setq CompAc1    0.4445000000000000)
    (setq CheckAmp    1.8360781846796905)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1     0.0005778500000000)
    (setq C1     0.4091305033890603)
    (setq C2     0.0451246878737934)
    (setq C3     0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =              42000000.0000000000000000
;Desired Amplification                =                     0.0025641025640000
;Initial Result 1 Amplitude           =               1020167.3008604913000000
;Secondary Result 2 Amplitude         =               1873116.1991440163000000
;Computed Ac1
;(Component Amplification Factor)      =                     0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =                     1.8360872746696344
;Sign 1 (sign of Result 1)            =                    -1.0000000000000000
;Sign 2 (sign of Result 2)            =                    -1.0000000000000000
;L1                                   =                     0.0005778500000000
;C1                                   =                     0.3898800318577155
;C2                                   =                     0.0430014741019539
;C3                                   =                     0.0000001057367829
;Rd                                   =              3022600.0000000000000000
;R1                                   =            444500000.0000000000000000
;Rl1                                  =                    61.6640193456665950
;
;
    (setq count    42.0000000000000000)
    (setq DesFreq 42000000.0000000000000000)
    (setq DesAmp     0.0025641025640000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873116.1991440163000000)
    (setq CompAc1    0.4445000000000000)
    (setq CheckAmp    1.8360872746696344)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1     0.0005778500000000)
    (setq C1     0.3898800318577155)
    (setq C2     0.0430014741019539)
    (setq C3     0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
```

```
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                       =            43000000.0000000000000000
;Desired Amplification                   =                   0.0333333333320000
;Initial Result 1 Amplitude              =             1020167.3008604913000000
;Secondary Result 2 Amplitude            =             1873124.8330525514000000
;Computed Ac1
;(Component Amplification Factor)         =                   0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                     =                   1.8360957378977028
;Sign 1 (sign of Result 1)               =                  -1.0000000000000000
;Sign 2 (sign of Result 2)               =                  -0.9999999999999999
;L1                                      =                   0.0005778500000000
;C1                                      =                   0.3719569368291023
;C2                                      =                   0.0410246621502686
;C3                                      =                   0.0000001057367829
;Rd                                      =             3022600.0000000000000000
;R1                                      =           444500000.0000000000000000
;Rl1                                     =                  61.6640193456665950
;
;
    (setq count    43.0000000000000000)
    (setq DesFreq 43000000.0000000000000000)
    (setq DesAmp     0.0333333333320000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873124.8330525514000000)
    (setq CompAc1    0.4445000000000000)
    (setq CheckAmp    1.8360957378977028)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -0.9999999999999999)
    (setq L1      0.0005778500000000)
    (setq C1      0.3719569368291023)
    (setq C2      0.0410246621502686)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                       =            44000000.0000000000000000
;Desired Amplification                   =                  -0.0384615384600000
;Initial Result 1 Amplitude              =             1020167.3008604913000000
;Secondary Result 2 Amplitude            =             1873132.8843839427000000
;Computed Ac1
;(Component Amplification Factor)         =                   0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                     =                   1.8361036300653741
;Sign 1 (sign of Result 1)               =                  -1.0000000000000000
;Sign 2 (sign of Result 2)               =                  -0.9999999999999999
;L1                                      =                   0.0005778500000000
;C1                                      =                   0.3552419298538276
;C2                                      =                   0.0391810952044663
;C3                                      =                   0.0000001057367829
```

```
;Rd                                      =            3022600.0000000000000000
;R1                                      =          444500000.0000000000000000
;Rl1                                     =                 61.6640193456665950
;
;
    (setq count     44.0000000000000000)
    (setq DesFreq 44000000.0000000000000000)
    (setq DesAmp     -0.0384615384600000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873132.8843839427000000)
    (setq CompAc1    0.4445000000000000)
    (setq CheckAmp    1.8361036300653741)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -0.9999999999999999)
    (setq L1      0.0005778500000000)
    (setq C1      0.3552419298538276)
    (setq C2      0.0391810952044663)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                       =           45000000.0000000000000000
;Desired Amplification                   =                 -0.1615384615320000
;Initial Result 1 Amplitude              =            1020167.3008604913000000
;Secondary Result 2 Amplitude            =            1873140.4043045999000000
;Computed Ac1
;(Component Amplification Factor)         =                  0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                     =                  1.8361110013275690
;Sign 1 (sign of Result 1)               =                 -1.0000000000000000
;Sign 2 (sign of Result 2)               =                 -0.9999999999999999
;L1                                       =                  0.0005778500000000
;C1                                       =                  0.3396288277516100
;C2                                       =                  0.0374590618843687
;C3                                       =                  0.0000001057367829
;Rd                                       =            3022600.0000000000000000
;R1                                       =          444500000.0000000000000000
;Rl1                                      =                 61.6640193456665950
;
;
    (setq count     45.0000000000000000)
    (setq DesFreq 45000000.0000000000000000)
    (setq DesAmp     -0.1615384615320000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873140.4043045999000000)
    (setq CompAc1    0.4445000000000000)
    (setq CheckAmp    1.8361110013275690)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -0.9999999999999999)
    (setq L1      0.0005778500000000)
    (setq C1      0.3396288277516100)
    (setq C2      0.0374590618843687)
    (setq C3      0.0000001057367829)
```

```
      (setq Rd 3022600.0000000000000000)
      (setq R1 444500000.0000000000000000)
      (setq Rl1    61.6640193456665950)
      (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                      =           46000000.0000000000000000
;Desired Amplification                  =                  -0.3846153846000000
;Initial Result 1 Amplitude             =            1020167.3008604913000000
;Secondary Result 2 Amplitude           =            1873147.4391061408000000
;Computed Ac1 `
;(Component Amplification Factor)        =                   0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =                   1.8361178970607834
;Sign 1 (sign of Result 1)              =                  -1.0000000000000000
;Sign 2 (sign of Result 2)              =                  -1.0000000000000000
;L1                                     =                   0.0005778500000000
;C1                                     =                   0.3250228620968857
;C2                                     =                   0.0358481097900977
;C3                                     =                   0.0000001057367829
;Rd                                     =            3022600.0000000000000000
;R1                                     =          444500000.0000000000000000
;Rl1                                    =                  61.6640193456665950
;
;
      (setq count    46.0000000000000000)
      (setq DesFreq 46000000.0000000000000000)
      (setq DesAmp    -0.3846153846000000)
      (setq Init1Amp 1020167.3008604913000000)
      (setq Sec2Amp 1873147.4391061408000000)
      (setq CompAc1    0.4445000000000000)
      (setq CheckAmp    1.8361178970607834)
      (setq Sign1    -1.0000000000000000)
      (setq Sign2    -1.0000000000000000)
      (setq L1      0.0005778500000000)
      (setq C1      0.3250228620968857)
      (setq C2      0.0358481097900977)
      (setq C3      0.0000001057367829)
      (setq Rd 3022600.0000000000000000)
      (setq R1 444500000.0000000000000000)
      (setq Rl1    61.6640193456665950)
      (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                      =           47000000.0000000000000000
;Desired Amplification                  =                  -1.5410256409640000
;Initial Result 1 Amplitude             =            1020167.3008604913000000
;Secondary Result 2 Amplitude           =            1873154.0303231128000000
;Computed Ac1
;(Component Amplification Factor)        =                   0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =                   1.8361243579784845
;Sign 1 (sign of Result 1)              =                  -1.0000000000000000
;Sign 2 (sign of Result 2)              =                  -1.0000000000000000
;L1                                     =                   0.0005778500000000
```

```
;C1                                   =                    0.3113392377532866
;C2                                   =                    0.0343388865169066
;C3                                   =                    0.0000001057367829
;Rd                                   =              3022600.0000000000000000
;R1                                   =            444500000.0000000000000000
;Rl1                                  =                   61.6640193456665950
;
;
     (setq count    47.0000000000000000)
     (setq DesFreq 47000000.0000000000000000)
     (setq DesAmp    -1.5410256409640000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873154.0303231128000000)
     (setq CompAc1     0.4445000000000000)
     (setq CheckAmp    1.8361243579784845)
     (setq Sign1    -1.0000000000000000)
     (setq Sign2    -1.0000000000000000)
     (setq L1      0.0005778500000000)
     (setq C1      0.3113392377532866)
     (setq C2      0.0343388865169066)
     (setq C3      0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq Rl1     61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =              48000000.0000000000000000
;Desired Amplification                =                    -7.9794871791680011
;Initial Result 1 Amplitude           =               1020167.3008604913000000
;Secondary Result 2 Amplitude         =               1873160.2147111935000000
;Computed Ac1
;(Component Amplification Factor)      =                     0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =                     1.8361304201097401
;Sign 1 (sign of Result 1)            =                    -1.0000000000000000
;Sign 2 (sign of Result 2)            =                    -1.0000000000000000
;L1                                   =                     0.0005778500000000
;C1                                   =                     0.2985018993910634
;C2                                   =                     0.0329230036093085
;C3                                   =                     0.0000001057367829
;Rd                                   =               3022600.0000000000000000
;R1                                   =             444500000.0000000000000000
;Rl1                                  =                    61.6640193456665950
;
;
     (setq count    48.0000000000000000)
     (setq DesFreq 48000000.0000000000000000)
     (setq DesAmp    -7.9794871791680011)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873160.2147111935000000)
     (setq CompAc1     0.4445000000000000)
     (setq CheckAmp    1.8361304201097401)
     (setq Sign1    -1.0000000000000000)
     (setq Sign2    -1.0000000000000000)
     (setq L1      0.0005778500000000)
```

```
    (setq C1      0.2985018993910634)
    (setq C2      0.0329230036093085)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                        =            49000000.0000000000000000
;Desired Amplification                    =                 -57.9641025617840100
;Initial Result 1 Amplitude               =             1020167.3008604913000000
;Secondary Result 2 Amplitude             =             1873166.0246433257000000
;Computed Ac1
;(Component Amplification Factor)          =                   0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                      =                   1.8361361151875253
;Sign 1 (sign of Result 1)                =                  -1.0000000000000000
;Sign 2 (sign of Result 2)                =                  -1.0000000000000000
;L1                                       =                   0.0005778500000000
;C1                                       =                   0.2864424723852604
;C2                                       =                   0.0315929197483743
;C3                                       =                   0.0000001057367829
;Rd                                       =            3022600.0000000000000000
;R1                                       =          444500000.0000000000000000
;Rl1                                      =                  61.6640193456665950
;
;
    (setq count     49.0000000000000000)
    (setq DesFreq 49000000.0000000000000000)
    (setq DesAmp   -57.9641025617840100)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873166.0246433257000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp     1.8361361151875253)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1       0.0005778500000000)
    (setq C1       0.2864424723852604)
    (setq C2       0.0315929197483743)
    (setq C3       0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                        =            50000000.0000000000000000
;Desired Amplification                    =                -730.2076922784840500
;Initial Result 1 Amplitude               =             1020167.3008604913000000
;Secondary Result 2 Amplitude             =             1873171.4890370795000000
;Computed Ac1
;(Component Amplification Factor)          =                   0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                      =                   1.8361414715577493
```

```
;Sign 1 (sign of Result 1)              =                   -1.0000000000000000
;Sign 2 (sign of Result 2)              =                   -1.0000000000000000
;L1                                     =                    0.0005778500000000
;C1                                     =                    0.2750993504788040
;C2                                     =                    0.0303418401263387
;C3                                     =                    0.0000001057367829
;Rd                                     =             3022600.0000000000000000
;R1                                     =           444500000.0000000000000000
;R11                                    =                   61.6640193456665950
;
;
     (setq count      50.0000000000000000)
     (setq DesFreq 50000000.0000000000000000)
     (setq DesAmp   -730.2076922784840500)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873171.4890370795000000)
     (setq CompAc1      0.4445000000000000)
     (setq CheckAmp     1.8361414715577493)
     (setq Sign1      -1.0000000000000000)
     (setq Sign2      -1.0000000000000000)
     (setq L1       0.0005778500000000)
     (setq C1       0.2750993504788040)
     (setq C2       0.0303418401263387)
     (setq C3       0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq R11      61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                      =            51000000.0000000000000000
;Desired Amplification                  =              -36609.3615369971670000
;Initial Result 1 Amplitude             =             1020167.3008604913000000
;Secondary Result 2 Amplitude           =             1873176.6343949588000000
;Computed Ac1
;(Component Amplification Factor)        =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =                    1.8361465151989982
;Sign 1 (sign of Result 1)              =                   -1.0000000000000000
;Sign 2 (sign of Result 2)              =                   -1.0000000000000000
;L1                                     =                    0.0005778500000000
;C1                                     =                    0.2644169074190735
;C2                                     =                    0.0291636294947507
;C3                                     =                    0.0000001057367829
;Rd                                     =             3022600.0000000000000000
;R1                                     =           444500000.0000000000000000
;R11                                    =                   61.6640193456665950
;
;
     (setq count      51.0000000000000000)
     (setq DesFreq 51000000.0000000000000000)
     (setq DesAmp -36609.3615369971670000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873176.6343949588000000)
     (setq CompAc1      0.4445000000000000)
     (setq CheckAmp     1.8361465151989982)
```

```
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.2644169074190735)
    (setq C2      0.0291636294947507)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =           52000000.0000000000000000
;Desired Amplification                =             874034.2640676028100000
;Initial Result 1 Amplitude           =            1020167.3008604913000000
;Secondary Result 2 Amplitude         =            1873181.4853857281000000
;Computed Ac1
;(Component Amplification Factor)      =                  0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =                  1.8361512702923688
;Sign 1 (sign of Result 1)            =                 -1.0000000000000000
;Sign 2 (sign of Result 2)            =                 -1.0000000000000000
;L1                                   =                  0.0005778500000000
;C1                                   =                  0.2543448136823263
;C2                                   =                  0.0280527368031977
;C3                                   =                  0.0000001057367829
;Rd                                   =            3022600.0000000000000000
;R1                                   =          444500000.0000000000000000
;Rl1                                  =                 61.6640193456665950
;
;
    (setq count     52.0000000000000000)
    (setq DesFreq 52000000.0000000000000000)
    (setq DesAmp 874034.2640676028100000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873181.4853857281000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp    1.8361512702923688)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.2543448136823263)
    (setq C2      0.0280527368031977)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =           53000000.0000000000000000
;Desired Amplification                =           -8178457.5971087599000000
;Initial Result 1 Amplitude           =            1020167.3008604913000000
;Secondary Result 2 Amplitude         =            1873186.0647524083000000
;Computed Ac1
```

```
;(Component Amplification Factor)          =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                       =                    1.8361557591312840
;Sign 1 (sign of Result 1)                 =                   -1.0000000000000000
;Sign 2 (sign of Result 2)                 =                   -0.9999999999999999
;L1                                        =                    0.0005778500000000
;C1                                        =                    0.2448374425763653
;C2                                        =                    0.0270041296959226
;C3                                        =                    0.0000001057367829
;Rd                                        =            3022600.0000000000000000
;R1                                        =          444500000.0000000000000000
;R11                                       =                   61.6640193456665950
;
;
      (setq count     53.0000000000000000)
      (setq DesFreq 53000000.0000000000000000)
      (setq DesAmp -8178457.5971087599000000)
      (setq Init1Amp 1020167.3008604913000000)
      (setq Sec2Amp 1873186.0647524083000000)
      (setq CompAc1     0.4445000000000000)
      (setq CheckAmp    1.8361557591312840)
      (setq Sign1     -1.0000000000000000)
      (setq Sign2     -0.9999999999999999)
      (setq L1      0.0005778500000000)
      (setq C1      0.2448374425763653)
      (setq C2      0.0270041296959226)
      (setq C3      0.0000001057367829)
      (setq Rd 3022600.0000000000000000)
      (setq R1 444500000.0000000000000000)
      (setq R11     61.6640193456665950)
      (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                         =           54000000.0000000000000000
;Desired Amplification                     =           46480105.0878843890000000
;Initial Result 1 Amplitude                =            1020167.3008604913000000
;Secondary Result 2 Amplitude              =            1873190.3928855842000000
;Computed Ac1
;(Component Amplification Factor)          =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                       =                    1.8361600017032349
;Sign 1 (sign of Result 1)                 =                   -1.0000000000000000
;Sign 2 (sign of Result 2)                 =                   -1.0000000000000000
;L1                                        =                    0.0005778500000000
;C1                                        =                    0.2358533526052847
;C2                                        =                    0.0260132374197005
;C3                                        =                    0.0000001057367829
;Rd                                        =            3022600.0000000000000000
;R1                                        =          444500000.0000000000000000
;R11                                       =                   61.6640193456665950
;
;
      (setq count     54.0000000000000000)
      (setq DesFreq 54000000.0000000000000000)
      (setq DesAmp 46480105.0878843890000000)
      (setq Init1Amp 1020167.3008604913000000)
```

```
    (setq Sec2Amp 1873190.3928855842000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp     1.8361600017032349)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.2358533526052847)
    (setq C2      0.0260132374197005)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq R11     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                  =       55000000.0000000000000000
;Desired Amplification              =     -185615530.2977035900000000
;Initial Result 1 Amplitude         =        1020167.3008604913000000
;Secondary Result 2 Amplitude       =        1873194.4876616735000000
;Computed Ac1
;(Component Amplification Factor)    =              0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                =              1.8361640155312471
;Sign 1 (sign of Result 1)          =             -1.0000000000000000
;Sign 2 (sign of Result 2)          =             -1.0000000000000000
;L1                                 =              0.0005778500000000
;C1                                 =              0.2273548351064496
;C2                                 =              0.0250759009308584
;C3                                 =              0.0000001057367829
;Rd                                 =        3022600.0000000000000000
;R1                                 =      444500000.0000000000000000
;R11                                =             61.6640193456665950
;
;
    (setq count     55.0000000000000000)
    (setq DesFreq 55000000.0000000000000000)
    (setq DesAmp -185615530.2977035900000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873194.4876616735000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp     1.8361640155312471)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.2273548351064496)
    (setq C2      0.0250759009308584)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq R11     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                  =       56000000.0000000000000000
;Desired Amplification              =      559034093.4648181200000000
```

```
;Initial Result 1 Amplitude              =              1020167.3008604913000000
;Secondary Result 2 Amplitude            =              1873198.3648843204000000
;Computed Ac1
;(Component Amplification Factor)         =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                      =                    1.8361678161065484
;Sign 1 (sign of Result 1)               =                   -1.0000000000000000
;Sign 2 (sign of Result 2)               =                   -1.0000000000000000
;L1                                       =                    0.0005778500000000
;C1                                       =                    0.2193075179199649
;C2                                       =                    0.0241883291823491
;C3                                       =                    0.0000001057367829
;Rd                                       =              3022600.0000000000000000
;R1                                       =            444500000.0000000000000000
;Rl1                                      =                   61.6640193456665950
;
;
    (setq count    56.0000000000000000)
    (setq DesFreq 56000000.0000000000000000)
    (setq DesAmp 559034093.4648181200000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873198.3648843204000000)
    (setq CompAc1    0.4445000000000000)
    (setq CheckAmp    1.8361678161065484)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1    0.0005778500000000)
    (setq C1    0.2193075179199649)
    (setq C2    0.0241883291823491)
    (setq C3    0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1    61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                        =             57000000.0000000000000000
;Desired Amplification                    =          -1319911096.8087420000000000
;Initial Result 1 Amplitude              =              1020167.3008604913000000
;Secondary Result 2 Amplitude            =              1873202.0391123551000000
;Computed Ac1
;(Component Amplification Factor)         =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                      =                    1.8361714177001611
;Sign 1 (sign of Result 1)               =                   -1.0000000000000000
;Sign 2 (sign of Result 2)               =                   -1.0000000000000000
;L1                                       =                    0.0005778500000000
;C1                                       =                    0.2116800172967099
;C2                                       =                    0.0233470607312548
;C3                                       =                    0.0000001057367829
;Rd                                       =              3022600.0000000000000000
;R1                                       =            444500000.0000000000000000
;Rl1                                      =                   61.6640193456665950
;
;
    (setq count    57.0000000000000000)
```

```
    (setq DesFreq 57000000.0000000000000000)
    (setq DesAmp -1319911096.8087420000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873202.0391123551000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp    1.8361714177001611)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1     0.0005778500000000)
    (setq C1     0.2116800172967099)
    (setq C2     0.0233470607312548)
    (setq C3     0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1    61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;
;Desired Frequency                  =          58000000.0000000000000000
;Desired Amplification              =        2492800873.4720831000000000
;Initial Result 1 Amplitude         =           1020167.3008604913000000
;Secondary Result 2 Amplitude       =           1873205.5242968213000000
;Computed Ac1
; (Component Amplification Factor)   =                 0.4445000000000000
;Check of Amplification Factor Desired
; (Result 2/Result 1)               =                 1.8361748339873361
;Sign 1 (sign of Result 1)          =                -1.0000000000000000
;Sign 2 (sign of Result 2)          =                -0.9999999999999999
;L1                                 =                 0.0005778500000000
;C1                                 =                 0.2044436314497652
;C2                                 =                 0.0225489299393123
;C3                                 =                 0.0000001057367829
;Rd                                 =           3022600.0000000000000000
;R1                                 =         444500000.0000000000000000
;Rl1                                =                61.6640193456665950
;
;
    (setq count    58.0000000000000000)
    (setq DesFreq 58000000.0000000000000000)
    (setq DesAmp 2492800873.4720831000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873205.5242968213000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp    1.8361748339873361)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -0.9999999999999999)
    (setq L1     0.0005778500000000)
    (setq C1     0.2044436314497652)
    (setq C2     0.0225489299393123)
    (setq C3     0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1    61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
```

```
;
;Desired Frequency                      =            59000000.0000000000000000
;Desired Amplification                  =         -3785676678.3972912000000000
;Initial Result 1 Amplitude             =             1020167.3008604913000000
;Secondary Result 2 Amplitude           =             1873208.8337993703000000
;Computed Ac1
;(Component Amplification Factor)        =                   0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                     =                   1.8361780780655832
;Sign 1 (sign of Result 1)              =                  -1.0000000000000000
;Sign 2 (sign of Result 2)              =                  -1.0000000000000000
;L1                                      =                   0.0005778500000000
;C1                                      =                   0.1975720701513962
;C2                                      =                   0.0217910371490510
;C3                                      =                   0.0000001057367829
;Rd                                      =             3022600.0000000000000000
;R1                                      =           444500000.0000000000000000
;Rl1                                     =                  61.6640193456665950
;
;
     (setq count    59.0000000000000000)
     (setq DesFreq 59000000.0000000000000000)
     (setq DesAmp -3785676678.3972912000000000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873208.8337993703000000)
     (setq CompAc1     0.4445000000000000)
     (setq CheckAmp    1.8361780780655832)
     (setq Sign1    -1.0000000000000000)
     (setq Sign2    -1.0000000000000000)
     (setq L1      0.0005778500000000)
     (setq C1      0.1975720701513962)
     (setq C2      0.0217910371490510)
     (setq C3      0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq Rl1     61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                      =            60000000.0000000000000000
;Desired Amplification                  =          4560667622.2073174000000000
;Initial Result 1 Amplitude             =             1020167.3008604913000000
;Secondary Result 2 Amplitude           =             1873211.9798926418000000
;Computed Ac1
;(Component Amplification Factor)        =                   0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                     =                   1.8361811619649286
;Sign 1 (sign of Result 1)              =                  -1.0000000000000000
;Sign 2 (sign of Result 2)              =                  -1.0000000000000000
;L1                                      =                   0.0005778500000000
;C1                                      =                   0.1910412156102806
;C2                                      =                   0.0210707223099574
;C3                                      =                   0.0000001057367829
;Rd                                      =             3022600.0000000000000000
;R1                                      =           444500000.0000000000000000
;Rl1                                     =                  61.6640193456665950
```

```
;
;
    (setq count     60.0000000000000000)
    (setq DesFreq 60000000.0000000000000000)
    (setq DesAmp 4560667622.2073174000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873211.9798926418000000)
    (setq CompAc1    0.4445000000000000)
    (setq CheckAmp    1.8361811619649286)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1     0.0005778500000000)
    (setq C1     0.1910412156102806)
    (setq C2     0.0210707223099574)
    (setq C3     0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =              61000000.0000000000000000
;Desired Amplification                =           -4130855881.3732276000000000
;Initial Result 1 Amplitude           =               1020167.3008604913000000
;Secondary Result 2 Amplitude         =               1873214.9732851491000000
;Computed Ac1
;(Component Amplification Factor)      =                     0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =                     1.8361840961821936
;Sign 1 (sign of Result 1)            =                    -1.0000000000000000
;Sign 2 (sign of Result 2)            =                    -1.0000000000000000
;L1                                   =                     0.0005778500000000
;C1                                   =                     0.1848289105608735
;C2                                   =                     0.0203855416059787
;C3                                   =                     0.0000001057367829
;Rd                                   =               3022600.0000000000000000
;R1                                   =             444500000.0000000000000000
;Rl1                                  =                    61.6640193456665950
;
;
    (setq count     61.0000000000000000)
    (setq DesFreq 61000000.0000000000000000)
    (setq DesAmp -4130855881.3732276000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873214.9732851491000000)
    (setq CompAc1    0.4445000000000000)
    (setq CheckAmp    1.8361840961821936)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1     0.0005778500000000)
    (setq C1     0.1848289105608735)
    (setq C2     0.0203855416059787)
    (setq C3     0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
```

```
      (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                      =           62000000.0000000000000000
;Desired Amplification                  =        2269164816.2041054000000000
;Initial Result 1 Amplitude             =           1020167.3008604913000000
;Secondary Result 2 Amplitude           =           1873217.8231798760000000
;Computed Ac1
;(Component Amplification Factor)        =                 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =                 1.8361868897384312
;Sign 1 (sign of Result 1)              =                -1.0000000000000000
;Sign 2 (sign of Result 2)              =                -1.0000000000000000
;L1                                     =                 0.0005778500000000
;C1                                     =                 0.1789147700824688
;C2                                     =                 0.0197332467002723
;C3                                     =                 0.0000001057367829
;Rd                                     =           3022600.0000000000000000
;R1                                     =         444500000.0000000000000000
;Rl1                                    =                61.6640193456665950
;
;
      (setq count    62.0000000000000000)
      (setq DesFreq 62000000.0000000000000000)
      (setq DesAmp 2269164816.2041054000000000)
      (setq Init1Amp 1020167.3008604913000000)
      (setq Sec2Amp 1873217.8231798760000000)
      (setq CompAc1    0.4445000000000000)
      (setq CheckAmp    1.8361868897384312)
      (setq Sign1    -1.0000000000000000)
      (setq Sign2    -1.0000000000000000)
      (setq L1     0.0005778500000000)
      (setq C1     0.1789147700824688)
      (setq C2     0.0197332467002723)
      (setq C3     0.0000001057367829)
      (setq Rd 3022600.0000000000000000)
      (setq R1 444500000.0000000000000000)
      (setq Rl1    61.6640193456665950)
      (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                      =           63000000.0000000000000000
;Desired Amplification                  =         480856340.8294836900000000
;Initial Result 1 Amplitude             =           1020167.3008604913000000
;Secondary Result 2 Amplitude           =           1873220.5378961507000000
;Computed Ac1
;(Component Amplification Factor)        =                 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =                 1.8361895507885087
;Sign 1 (sign of Result 1)              =                -1.0000000000000000
;Sign 2 (sign of Result 2)              =                -1.0000000000000000
;L1                                     =                 0.0005778500000000
;C1                                     =                 0.1732800141589847
;C2                                     =                 0.0191117662675351
;C3                                     =                 0.0000001057367829
```

```
;Rd                                    =              3022600.0000000000000000
;R1                                    =            444500000.0000000000000000
;Rll                                   =                   61.6640193456665950
;
;
     (setq count    63.0000000000000000)
     (setq DesFreq 63000000.0000000000000000)
     (setq DesAmp 480856340.8294836900000000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873220.5378961507000000)
     (setq CompAc1      0.4445000000000000)
     (setq CheckAmp     1.8361895507885087)
     (setq Sign1    -1.0000000000000000)
     (setq Sign2    -1.0000000000000000)
     (setq L1       0.0005778500000000)
     (setq C1       0.1732800141589847)
     (setq C2       0.0191117662675351)
     (setq C3       0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq Rll      61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rll)
;
;
;Desired Frequency                     =             64000000.0000000000000000
;Desired Amplification                 =          -3037374953.7349153000000000
;Initial Result 1 Amplitude            =             1020167.3008604913000000
;Secondary Result 2 Amplitude          =             1873223.1255801362000000
;Computed Ac1
;(Component Amplification Factor)       =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                   =                    1.8361920873175497
;Sign 1 (sign of Result 1)             =                   -1.0000000000000000
;Sign 2 (sign of Result 2)             =                   -1.0000000000000000
;L1                                    =                    0.0005778500000000
;C1                                    =                    0.1679073184074732
;C2                                    =                    0.0185191895302360
;C3                                    =                    0.0000001057367829
;Rd                                    =              3022600.0000000000000000
;R1                                    =            444500000.0000000000000000
;Rll                                   =                   61.6640193456665950
;
;
     (setq count    64.0000000000000000)
     (setq DesFreq 64000000.0000000000000000)
     (setq DesAmp -3037374953.7349153000000000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873223.1255801362000000)
     (setq CompAc1      0.4445000000000000)
     (setq CheckAmp     1.8361920873175497)
     (setq Sign1    -1.0000000000000000)
     (setq Sign2    -1.0000000000000000)
     (setq L1       0.0005778500000000)
     (setq C1       0.1679073184074732)
     (setq C2       0.0185191895302360)
     (setq C3       0.0000001057367829)
```

```
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1    61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                       =            65000000.0000000000000000
;Desired Amplification                   =          4438773402.5686035000000000
;Initial Result 1 Amplitude              =             1020167.3008604913000000
;Secondary Result 2 Amplitude            =             1873225.5944434453000000
;Computed Ac1
;(Component Amplification Factor)         =                   0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                     =                   1.8361945073748356
;Sign 1 (sign of Result 1)               =                  -1.0000000000000000
;Sign 2 (sign of Result 2)               =                  -1.0000000000000000
;L1                                      =                   0.0005778500000000
;C1                                      =                   0.1627806807566888
;C2                                      =                   0.0179537515540466
;C3                                      =                   0.0000001057367829
;Rd                                      =             3022600.0000000000000000
;R1                                      =           444500000.0000000000000000
;Rl1                                     =                  61.6640193456665950
;
;
    (setq count    65.0000000000000000)
    (setq DesFreq 65000000.0000000000000000)
    (setq DesAmp 4438773402.5686035000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873225.5944434453000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp    1.8361945073748356)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.1627806807566888)
    (setq C2      0.0179537515540466)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1    61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                       =            66000000.0000000000000000
;Desired Amplification                   =         -4404787255.7597065000000000
;Initial Result 1 Amplitude              =             1020167.3008604913000000
;Secondary Result 2 Amplitude            =             1873227.9523774516000000
;Computed Ac1
;(Component Amplification Factor)        =                   0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                     =                   1.8361968186957378
;Sign 1 (sign of Result 1)               =                  -1.0000000000000000
;Sign 2 (sign of Result 2)               =                  -1.0000000000000000
;L1                                      =                   0.0005778500000000
```

```
;C1                                    =                    0.1578853021572567
;C2                                    =                    0.0174138200908739
;C3                                    =                    0.0000001057367829
;Rd                                    =              3022600.0000000000000000
;R1                                    =            444500000.0000000000000000
;Rl1                                   =                   61.6640193456665950
;
;
    (setq count     66.0000000000000000)
    (setq DesFreq 66000000.0000000000000000)
    (setq DesAmp -4404787255.7597065000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873227.9523774516000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp     1.8361968186957378)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -1.0000000000000000)
    (setq L1       0.0005778500000000)
    (setq C1       0.1578853021572567)
    (setq C2       0.0174138200908739)
    (setq C3       0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1      61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                     =             67000000.0000000000000000
;Desired Amplification                 =           3371596661.2266746000000000
;Initial Result 1 Amplitude            =              1020167.3008604913000000
;Secondary Result 2 Amplitude          =              1873230.2063337530000000
;Computed Ac1
;(Component Amplification Factor)       =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                   =                    1.8361990280944309
;Sign 1 (sign of Result 1)             =                   -1.0000000000000000
;Sign 2 (sign of Result 2)             =                   -1.0000000000000000
;L1                                    =                    0.0005778500000000
;C1                                    =                    0.1532074796607285
;C2                                    =                    0.0168978837861098
;C3                                    =                    0.0000001057367829
;Rd                                    =              3022600.0000000000000000
;R1                                    =            444500000.0000000000000000
;Rl1                                   =                   61.6640193456665950
;
;
    (setq count     67.0000000000000000)
    (setq DesFreq 67000000.0000000000000000)
    (setq DesAmp 3371596661.2266746000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873230.2063337530000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp     1.8361990280944309)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -1.0000000000000000)
    (setq L1       0.0005778500000000)
```

```
    (setq C1      0.1532074796607285)
    (setq C2      0.0168978837861098)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1      61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                      =              68000000.0000000000000000
;Desired Amplification                  =           -2062370488.0816078000000000
;Initial Result 1 Amplitude             =               1020167.3008604913000000
;Secondary Result 2 Amplitude           =               1873232.3620615329000000
;Computed Ac1
;(Component Amplification Factor)        =                     0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =                     1.8362011412064452
;Sign 1 (sign of Result 1)              =                    -1.0000000000000000
;Sign 2 (sign of Result 2)              =                    -1.0000000000000000
;L1                                     =                     0.0005778500000000
;C1                                     =                     0.1487345104232289
;C2                                     =                     0.0164045415907973
;C3                                     =                     0.0000001057367829
;Rd                                     =               3022600.0000000000000000
;R1                                     =             444500000.0000000000000000
;Rl1                                    =                    61.6640193456665950
;
;
    (setq count      68.0000000000000000)
    (setq DesFreq 68000000.0000000000000000)
    (setq DesAmp -2062370488.0816078000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873232.3620615329000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp      1.8362011412064452)
    (setq Sign1      -1.0000000000000000)
    (setq Sign2      -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.1487345104232289)
    (setq C2      0.0164045415907973)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1      61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                      =              69000000.0000000000000000
;Desired Amplification                  =            1014357523.9030155000000000
;Initial Result 1 Amplitude             =               1020167.3008604913000000
;Secondary Result 2 Amplitude           =               1873234.4244740161000000
;Computed Ac1
;(Component Amplification Factor)        =                     0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =                     1.8362031628478774
```

```
;Sign 1 (sign of Result 1)            =              -1.0000000000000000
;Sign 2 (sign of Result 2)            =              -1.0000000000000000
;L1                                   =               0.0005778500000000
;C1                                   =               0.1444546053763936
;C2                                   =               0.0159324932400434
;C3                                   =               0.0000001057367829
;Rd                                   =         3022600.0000000000000000
;R1                                   =       444500000.0000000000000000
;R11                                  =              61.6640193456665950
;
;
     (setq count     69.0000000000000000)
     (setq DesFreq 69000000.0000000000000000)
     (setq DesAmp 1014357523.9030155000000000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873234.4244740161000000)
     (setq CompAc1    ·0.4445000000000000)
     (setq CheckAmp      1.8362031628478774)
     (setq Sign1     -1.0000000000000000)
     (setq Sign2     -1.0000000000000000)
     (setq L1       0.0005778500000000)
     (setq C1       0.1444546053763936)
     (setq C2       0.0159324932400434)
     (setq C3       0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq R11      61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                    =        70000000.0000000000000000
;Desired Amplification                =      -397052533.3969383800000000
;Initial Result 1 Amplitude           =         1020167.3008604913000000
;Secondary Result 2 Amplitude         =         1873236.3983588782000000
;Computed Ac1
;(Component Amplification Factor)      =               0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =               1.8362050977117574
;Sign 1 (sign of Result 1)            =              -1.0000000000000000
;Sign 2 (sign of Result 2)            =              -1.0000000000000000
;L1                                   =               0.0005778500000000
;C1                                   =               0.1403568114687776
;C2                                   =               0.0154805306767034
;C3                                   =               0.0000001057367829
;Rd                                   =         3022600.0000000000000000
;R1                                   =       444500000.0000000000000000
;R11                                  =              61.6640193456665950
;
;
     (setq count     70.0000000000000000)
     (setq DesFreq 70000000.0000000000000000)
     (setq DesAmp -397052533.3969383800000000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873236.3983588782000000)
     (setq CompAc1      0.4445000000000000)
     (setq CheckAmp      1.8362050977117574)
```

```
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1     0.0005778500000000)
    (setq C1     0.1403568114687776)
    (setq C2     0.0154805306767034)
    (setq C3     0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1    61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =              71000000.0000000000000000
;Desired Amplification                =             120560586.7438955300000000
;Initial Result 1 Amplitude           =               1020167.3008604913000000
;Secondary Result 2 Amplitude         =               1873238.2888413137000000
;Computed Ac1
;(Component Amplification Factor)      =                     0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =                     1.8362069508219618
;Sign 1 (sign of Result 1)            =                    -1.0000000000000000
;Sign 2 (sign of Result 2)            =                    -0.9999999999999999
;L1                                   =                     0.0005778500000000
;C1                                   =                     0.1364309415189467
;C2                                   =                     0.0150475303145897
;C3                                   =                     0.0000001057367829
;Rd                                   =               3022600.0000000000000000
;R1                                   =             444500000.0000000000000000
;Rl1                                  =                    61.6640193456665950
;
;
    (setq count    71.0000000000000000)
    (setq DesFreq 71000000.0000000000000000)
    (setq DesAmp 120560586.7438955300000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873238.2888413137000000)
    (setq CompAc1    0.4445000000000000)
    (setq CheckAmp    1.8362069508219618)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -0.9999999999999999)
    (setq L1     0.0005778500000000)
    (setq C1     0.1364309415189467)
    (setq C2     0.0150475303145897)
    (setq C3     0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1    61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =              72000000.0000000000000000
;Desired Amplification                =             -27087062.0655831880000000
;Initial Result 1 Amplitude           =               1020167.3008604913000000
;Secondary Result 2 Amplitude         =               1873240.1012226944000000
;Computed Ac1
```

```
;(Component Amplification Factor)         =              0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                      =              1.8362087273750618
;Sign 1 (sign of Result 1)                =             -1.0000000000000000
;Sign 2 (sign of Result 2)                =             -1.0000000000000000
;L1                                       =              0.0005778500000000
;C1                                       =              0.1326675108404726
;C2                                       =              0.0146324460485815
;C3                                       =              0.0000001057367829
;Rd                                       =        3022600.0000000000000000
;R1                                       =      444500000.0000000000000000
;Rl1                                      =             61.6640193456665950
;
;
    (setq count    72.0000000000000000)
    (setq DesFreq 72000000.0000000000000000)
    (setq DesAmp -27087062.0655831880000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873240.1012226944000000)
    (setq CompAc1    0.4445000000000000)
    (setq CheckAmp    1.8362087273750618)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1    0.0005778500000000)
    (setq C1    0.1326675108404726)
    (setq C2    0.0146324460485815)
    (setq C3    0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1    61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                        =       73000000.0000000000000000
;Desired Amplification                    =        4122520.4203479197000000
;Initial Result 1 Amplitude               =        1020167.3008604913000000
;Secondary Result 2 Amplitude             =        1873241.8403638809000000
;Computed Ac1
;(Component Amplification Factor)         =              0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                      =              1.8362104321358250
;Sign 1 (sign of Result 1)                =             -1.0000000000000000
;Sign 2 (sign of Result 2)                =             -1.0000000000000000
;L1                                       =              0.0005778500000000
;C1                                       =              0.1290576799018597
;C2                                       =              0.0142343029303522
;C3                                       =              0.0000001057367829
;Rd                                       =        3022600.0000000000000000
;R1                                       =      444500000.0000000000000000
;Rl1                                      =             61.6640193456665950
;
;
    (setq count    73.0000000000000000)
    (setq DesFreq 73000000.0000000000000000)
    (setq DesAmp 4122520.4203479197000000)
    (setq Init1Amp 1020167.3008604913000000)
```

```
    (setq Sec2Amp 1873241.8403638809000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp     1.8362104321358250)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.1290576799018597)
    (setq C2      0.0142343029303522)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;
;Desired Frequency                  =           74000000.0000000000000000
;Desired Amplification              =            -348810.5615245091600000
;Initial Result 1 Amplitude         =            1020167.3008604913000000
;Secondary Result 2 Amplitude       =            1873243.5101800512000000
;Computed Ac1
;(Component Amplification Factor)    =                  0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                =                  1.8362120689420323
;Sign 1 (sign of Result 1)          =                 -1.0000000000000000
;Sign 2 (sign of Result 2)          =                 -1.0000000000000000
;L1                                 =                  0.0005778500000000
;C1                                 =                  0.1255932023734496
;C2                                 =                  0.0138521914382481
;C3                                 =                  0.0000001057367829
;Rd                                 =            3022600.0000000000000000
;R1                                 =          444500000.0000000000000000
;Rl1                                =                 61.6640193456665950
;
;
    (setq count     74.0000000000000000)
    (setq DesFreq 74000000.0000000000000000)
    (setq DesAmp -348810.5615245091600000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873243.5101800512000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp     1.8362120689420323)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.1255932023734496)
    (setq C2      0.0138521914382481)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                  =           75000000.0000000000000000
;Desired Amplification              =               7248.4051279151927000
```

```
;Initial Result 1 Amplitude              =              1020167.3008604913000000
;Secondary Result 2 Amplitude            =              1873245.1137135255000000
;Computed Ac1
;(Component Amplification Factor)         =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                      =                    1.8362136407758607
;Sign 1 (sign of Result 1)               =                   -1.0000000000000000
;Sign 2 (sign of Result 2)               =                   -0.9999999999999999
;L1                                       =                    0.0005778500000000
;C1                                       =                    0.1222663779905796
;C2                                       =                    0.0134852622783727
;C3                                       =                    0.0000001057367829
;Rd                                       =              3022600.0000000000000000
;R1                                       =            444500000.0000000000000000
;Rl1                                      =                   61.6640193456665950
;
;
    (setq count       75.0000000000000000)
    (setq DesFreq 75000000.0000000000000000)
    (setq DesAmp   7248.4051279151927000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873245.1137135255000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp      1.8362136407758607)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -0.9999999999999999)
    (setq L1       0.0005778500000000)
    (setq C1       0.1222663779905796)
    (setq C2       0.0134852622783727)
    (setq C3       0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1      61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                        =             76000000.0000000000000000
;Desired Amplification                    =                  291.1358974242520500
;Initial Result 1 Amplitude               =              1020167.3008604913000000
;Secondary Result 2 Amplitude             =              1873246.6537407630000000
;Computed Ac1
;(Component Amplification Factor)          =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                       =                    1.8362151503588833
;Sign 1 (sign of Result 1)                =                   -1.0000000000000000
;Sign 2 (sign of Result 2)                =                   -1.0000000000000000
;L1                                        =                    0.0005778500000000
;C1                                        =                    0.1190700097293993
;C2                                        =                    0.0131327216613308
;C3                                        =                    0.0000001057367829
;Rd                                        =              3022600.0000000000000000
;R1                                        =            444500000.0000000000000000
;Rl1                                       =                   61.6640193456665950
;
;
    (setq count       76.0000000000000000)
```

```
        (setq DesFreq 76000000.0000000000000000)
        (setq DesAmp    291.1358974242520500)
        (setq Init1Amp 1020167.3008604913000000)
        (setq Sec2Amp 1873246.6537407630000000)
        (setq CompAc1      0.4445000000000000)
        (setq CheckAmp     1.8362151503588833)
        (setq Sign1     -1.0000000000000000)
        (setq Sign2     -1.0000000000000000)
        (setq L1       0.0005778500000000)
        (setq C1       0.1190700097293993)
        (setq C2       0.0131327216613308)
        (setq C3       0.0000001057367829)
        (setq Rd 3022600.0000000000000000)
        (setq R1 444500000.0000000000000000)
        (setq R11      61.6640193456665950)
        (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                  =            77000000.0000000000000000
;Desired Amplification              =                  28.8153846142320020
;Initial Result 1 Amplitude         =            1020167.3008604913000000
;Secondary Result 2 Amplitude       =            1873248.1333981298000000
;Computed Ac1
;(Component Amplification Factor)    =                   0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                =                   1.8362166007654641
;Sign 1 (sign of Result 1)          =                  -1.0000000000000000
;Sign 2 (sign of Result 2)          =                  -1.0000000000000000
;L1                                 =                   0.0005778500000000
;C1                                 =                   0.1159973648502294
;C2                                 =                   0.0127938270055400
;C3                                 =                   0.0000001057367829
;Rd                                 =            3022600.0000000000000000
;R1                                 =          444500000.0000000000000000
;R11                                =                  61.6640193456665950
;
;
        (setq count      77.0000000000000000)
        (setq DesFreq 77000000.0000000000000000)
        (setq DesAmp    28.8153846142320020)
        (setq Init1Amp 1020167.3008604913000000)
        (setq Sec2Amp 1873248.1333981298000000)
        (setq CompAc1      0.4445000000000000)
        (setq CheckAmp     1.8362166007654641)
        (setq Sign1     -1.0000000000000000)
        (setq Sign2     -1.0000000000000000)
        (setq L1       0.0005778500000000)
        (setq C1       0.1159973648502294)
        (setq C2       0.0127938270055400)
        (setq C3       0.0000001057367829)
        (setq Rd 3022600.0000000000000000)
        (setq R1 444500000.0000000000000000)
        (setq R11      61.6640193456665950)
        (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;

;
```

```
;
;Desired Frequency                       =              78000000.0000000000000000
;Desired Amplification                   =                     4.5205128203319997
;Initial Result 1 Amplitude              =               1020167.3008604913000000
;Secondary Result 2 Amplitude            =               1873249.5562928773000000
;Computed Ac1
;(Component Amplification Factor)         =                     0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                     =                     1.8362179955315445
;Sign 1 (sign of Result 1)               =                    -1.0000000000000000
;Sign 2 (sign of Result 2)               =                    -0.9999999999999999
;L1                                      =                     0.0005778500000000
;C1                                      =                     0.1130421394143672
;C2                                      =                     0.0124678830236434
;C3                                      =                     0.0000001057367829
;Rd                                      =               3022600.0000000000000000
;R1                                      =             444500000.0000000000000000
;R11                                     =                    61.6640193456665950
;
;
     (setq count    78.0000000000000000)
     (setq DesFreq 78000000.0000000000000000)
     (setq DesAmp     4.5205128203319997)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873249.5562928773000000)
     (setq CompAc1     0.4445000000000000)
     (setq CheckAmp     1.8362179955315445)
     (setq Sign1    -1.0000000000000000)
     (setq Sign2    -0.9999999999999999)
     (setq L1      0.0005778500000000)
     (setq C1      0.1130421394143672)
     (setq C2      0.0124678830236434)
     (setq C3      0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq R11     61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                       =              79000000.0000000000000000
;Desired Amplification                   =                     0.9538461538080001
;Initial Result 1 Amplitude              =               1020167.3008604913000000
;Secondary Result 2 Amplitude            =               1873117.0963987343000000
;Computed Ac1
;(Component Amplification Factor)         =                     1.7754000000000001
;Check of Amplification Factor Desired
;(Result 2/Result 1)                     =                     1.8360881541868637
;Sign 1 (sign of Result 1)               =                    -1.0000000000000000
;Sign 2 (sign of Result 2)               =                    -1.0000000000000000
;L1                                      =                     0.0023080200000000
;C1                                      =                     0.0275899517424791
;C2                                      =                     0.0030430093833617
;C3                                      =                     0.0000000264729075
;Rd                                      =              12072720.0000000000000000
;R1                                      =            1775400000.0000000000000000
;R11                                     =                   246.2953879556726000
```

```
    (setq DesFreq 76000000.0000000000000000)
    (setq DesAmp    291.1358974242520500)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873246.6537407630000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp     1.8362151503588833)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -1.0000000000000000)
    (setq L1     0.0005778500000000)
    (setq C1     0.1190700097293993)
    (setq C2     0.0131327216613308)
    (setq C3     0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                      =          77000000.0000000000000000
;Desired Amplification                  =                28.8153846142320020
;Initial Result 1 Amplitude             =          1020167.3008604913000000
;Secondary Result 2 Amplitude           =          1873248.1333981298000000
;Computed Ac1
;(Component Amplification Factor)        =                 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =                 1.8362166007654641
;Sign 1 (sign of Result 1)              =                -1.0000000000000000
;Sign 2 (sign of Result 2)              =                -1.0000000000000000
;L1                                     =                 0.0005778500000000
;C1                                     =                 0.1159973648502294
;C2                                     =                 0.0127938270055400
;C3                                     =                 0.0000001057367829
;Rd                                     =          3022600.0000000000000000
;R1                                     =        444500000.0000000000000000
;Rl1                                    =                61.6640193456665950
;
;
    (setq count    77.0000000000000000)
    (setq DesFreq 77000000.0000000000000000)
    (setq DesAmp    28.8153846142320020)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873248.1333981298000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp     1.8362166007654641)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -1.0000000000000000)
    (setq L1     0.0005778500000000)
    (setq C1     0.1159973648502294)
    (setq C2     0.0127938270055400)
    (setq C3     0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
```

```
;
;Desired Frequency                        =            78000000.0000000000000000
;Desired Amplification                    =                   4.5205128203319997
;Initial Result 1 Amplitude               =            1020167.3008604913000000
;Secondary Result 2 Amplitude             =            1873249.5562928773000000
;Computed Ac1
;(Component Amplification Factor)          =                   0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                      =                   1.8362179955315445
;Sign 1 (sign of Result 1)                =                  -1.0000000000000000
;Sign 2 (sign of Result 2)                =                  -0.9999999999999999
;L1                                       =                   0.0005778500000000
;C1                                       =                   0.1130421394143672
;C2                                       =                   0.0124678830236434
;C3                                       =                   0.0000001057367829
;Rd                                       =            3022600.0000000000000000
;R1                                       =          444500000.0000000000000000
;Rl1                                      =                  61.6640193456665950
;
;
     (setq count     78.0000000000000000)
     (setq DesFreq 78000000.0000000000000000)
     (setq DesAmp     4.5205128203319997)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873249.5562928773000000)
     (setq CompAc1     0.4445000000000000)
     (setq CheckAmp     1.8362179955315445)
     (setq Sign1     -1.0000000000000000)
     (setq Sign2     -0.9999999999999999)
     (setq L1      0.0005778500000000)
     (setq C1      0.1130421394143672)
     (setq C2      0.0124678830236434)
     (setq C3      0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq Rl1     61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                        =            79000000.0000000000000000
;Desired Amplification                    =                   0.9538461538080001
;Initial Result 1 Amplitude               =            1020167.3008604913000000
;Secondary Result 2 Amplitude             =            1873117.0963987343000000
;Computed Ac1
;(Component Amplification Factor)          =                   1.7754000000000001
;Check of Amplification Factor Desired
;(Result 2/Result 1)                      =                   1.8360881541868637
;Sign 1 (sign of Result 1)                =                  -1.0000000000000000
;Sign 2 (sign of Result 2)                =                  -1.0000000000000000
;L1                                       =                   0.0023080200000000
;C1                                       =                   0.0275899517424791
;C2                                       =                   0.0030430093833617
;C3                                       =                   0.0000000264729075
;Rd                                       =           12072720.0000000000000000
;R1                                       =         1775400000.0000000000000000
;Rl1                                      =                 246.2953879556726000
```

```
;
;
    (setq count     79.0000000000000000)
    (setq DesFreq 79000000.0000000000000000)
    (setq DesAmp     0.9538461538080001)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873117.0963987343000000)
    (setq CompAc1     1.7754000000000001)
    (setq CheckAmp     1.8360881541868637)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1     0.0023080200000000)
    (setq C1     0.0275899517424791)
    (setq C2     0.0030430093833617)
    (setq C3     0.0000000264729075)
    (setq Rd 12072720.0000000000000000)
    (setq R1 1775400000.0000000000000000)
    (setq Rl1    246.2953879556726000)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                      =              80000000.0000000000000000
;Desired Amplification                  =                     0.2769230769120000
;Initial Result 1 Amplitude             =               1020167.3008604913000000
;Secondary Result 2 Amplitude           =               1872173.4353688092000000
;Computed Ac1
;(Component Amplification Factor)        =                  1000.5554999999999000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =                     1.8351631480343149
;Sign 1 (sign of Result 1)              =                    -1.0000000000000000
;Sign 2 (sign of Result 2)              =                    -1.0000000000000000
;L1                                     =                     1.3007221499999999
;C1                                     =                     0.0000477397545069
;C2                                     =                     0.0000052654141000
;C3                                     =                     0.0000000000469739
;Rd                                     =            6803777400.0000000000000000
;R1                                     =         1000555499999.9999000000000000
;Rl1                                    =               138803.7653732578300000
;
;
    (setq count     80.0000000000000000)
    (setq DesFreq 80000000.0000000000000000)
    (setq DesAmp     0.2769230769120000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1872173.4353688092000000)
    (setq CompAc1  1000.5554999999999000)
    (setq CheckAmp     1.8351631480343149)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1     1.3007221499999999)
    (setq C1     0.0000477397545069)
    (setq C2     0.0000052654141000)
    (setq C3     0.0000000000469739)
    (setq Rd 6803777400.0000000000000000)
    (setq R1 1000555499999.9999000000000000)
    (setq Rl1 138803.7653732578300000)
```

```
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                     =             81000000.0000000000000000
;Desired Amplification                 =                    0.1179487179440000
;Initial Result 1 Amplitude            =              1020167.3008604913000000
;Secondary Result 2 Amplitude          =              1872202.3108378286000000
;Computed Ac1
;(Component Amplification Factor)       =                 1000.5554999999999000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                   =                    1.8351914526751272
;Sign 1 (sign of Result 1)             =                   -1.0000000000000000
;Sign 2 (sign of Result 2)             =                   -1.0000000000000000
;L1                                    =                    1.3007221499999999
;C1                                    =                    0.0000465682714288
;C2                                    =                    0.0000051362064076
;C3                                    =                    0.0000000000469739
;Rd                                    =           6803777400.0000000000000000
;R1                                    =        1000555499999.9999000000000000
;R11                                   =               138803.7653732578300000
;
;
    (setq count     81.0000000000000000)
    (setq DesFreq 81000000.0000000000000000)
    (setq DesAmp      0.1179487179440000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1872202.3108378286000000)
    (setq CompAc1   1000.5554999999999000)
    (setq CheckAmp     1.8351914526751272)
    (setq Sign1      -1.0000000000000000)
    (setq Sign2      -1.0000000000000000)
    (setq L1      1.3007221499999999)
    (setq C1      0.0000465682714288)
    (setq C2      0.0000051362064076)
    (setq C3      0.0000000000469739)
    (setq Rd 6803777400.0000000000000000)
    (setq R1 1000555499999.9999000000000000)
    (setq R11 138803.7653732578300000)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                     =             82000000.0000000000000000
;Desired Amplification                 =                    0.0000000000000000
;Initial Result 1 Amplitude            =              1020167.3008604913000000
;Secondary Result 2 Amplitude          =              1872229.2974298282000000
;Computed Ac1
;(Component Amplification Factor)       =                 1000.5554999999999000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                   =                    1.8352179057794140
;Sign 1 (sign of Result 1)             =                   -1.0000000000000000
;Sign 2 (sign of Result 2)             =                   -1.0000000000000000
;L1                                    =                    1.3007221499999999
;C1                                    =                    0.0000454393856104
;C2                                    =                    0.0000050116969423
;C3                                    =                    0.0000000000469739
```

```
;Rd                                    =              6803777400.0000000000000000
;R1                                    =         1000555499999.9999000000000000
;R11                                   =              138803.7653732578300000
;
;
    (setq count    82.0000000000000000)
    (setq DesFreq 82000000.0000000000000000)
    (setq DesAmp     0.0000000000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1872229.2974298282000000)
    (setq CompAc1  1000.5554999999999000)
    (setq CheckAmp    1.8352179057794140)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      1.3007221499999999)
    (setq C1      0.0000454393856104)
    (setq C2      0.0000050116969423)
    (setq C3      0.0000000000469739)
    (setq Rd 6803777400.0000000000000000)
    (setq R1 1000555499999.9999000000000000)
    (setq R11 138803.7653732578300000)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                     =             83000000.0000000000000000
;Desired Amplification                 =                   -0.0282051282040000
;Initial Result 1 Amplitude            =              1020167.3008604913000000
;Secondary Result 2 Amplitude          =              1872253.5129618968000000
;Computed Ac1
;(Component Amplification Factor)       =                 1000.5554999999999000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                   =                    1.8352416426038038
;Sign 1 (sign of Result 1)             =                   -1.0000000000000000
;Sign 2 (sign of Result 2)             =                   -1.0000000000000000
;L1                                    =                    1.3007221499999999
;C1                                    =                    0.0000443510565894
;C2                                    =                    0.0000048916606532
;C3                                    =                    0.0000000000469739
;Rd                                    =              6803777400.0000000000000000
;R1                                    =         1000555499999.9999000000000000
;R11                                   =              138803.7653732578300000
;
;
    (setq count    83.0000000000000000)
    (setq DesFreq 83000000.0000000000000000)
    (setq DesAmp    -0.0282051282040000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1872253.5129618968000000)
    (setq CompAc1  1000.5554999999999000)
    (setq CheckAmp    1.8352416426038038)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      1.3007221499999999)
    (setq C1      0.0000443510565894)
    (setq C2      0.0000048916606532)
    (setq C3      0.0000000000469739)
```

```
    (setq Rd 6803777400.0000000000000000)
    (setq R1 1000555499999.9999000000000000)
    (setq Rl1 138803.7653732578300000)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                      =            84000000.0000000000000000
;Desired Amplification                  =                   0.0102564102560000
;Initial Result 1 Amplitude             =             1020167.3008604913000000
;Secondary Result 2 Amplitude           =             1872275.6905911895000000
;Computed Ac1
;(Component Amplification Factor)        =                1000.5554999999999000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =                   1.8352633818119455
;Sign 1 (sign of Result 1)              =                  -1.0000000000000000
;Sign 2 (sign of Result 2)              =                  -1.0000000000000000
;L1                                     =                   1.3007221499999999
;C1                                     =                   0.0000433013646321
;C2                                     =                   0.0000047758858050
;C3                                     =                   0.0000000000469739
;Rd                                     =           6803777400.0000000000000000
;R1                                     =        1000555499999.9999000000000000
;Rl1                                    =             138803.7653732578300000
;
;
    (setq count     84.0000000000000000)
    (setq DesFreq 84000000.0000000000000000)
    (setq DesAmp      0.0102564102560000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1872275.6905911895000000)
    (setq CompAc1  1000.5554999999999000)
    (setq CheckAmp     1.8352633818119455)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -1.0000000000000000)
    (setq L1      1.3007221499999999)
    (setq C1      0.0000433013646321)
    (setq C2      0.0000047758858050)
    (setq C3      0.0000000000469739)
    (setq Rd 6803777400.0000000000000000)
    (setq R1 1000555499999.9999000000000000)
    (setq Rl1 138803.7653732578300000)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                      =            85000000.0000000000000000
;Desired Amplification                  =                   0.0000000000000000
;Initial Result 1 Amplitude             =             1020167.3008604913000000
;Secondary Result 2 Amplitude           =             1872297.5730149278000000
;Computed Ac1
;(Component Amplification Factor)        =                1000.5554999999999000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =                   1.8352848316503394
;Sign 1 (sign of Result 1)              =                  -1.0000000000000000
;Sign 2 (sign of Result 2)              =                  -1.0000000000000000
;L1                                     =                   1.3007221499999999
```

```
;C1                                  =                 0.0000422885022622
;C2                                  =                 0.0000046641730436
;C3                                  =                 0.0000000000469739
;Rd                                  =           6803777400.0000000000000000
;R1                                  =      1000555499999.9999000000000000
;Rl1                                 =           138803.7653732578300000
;
;
    (setq count      85.0000000000000000)
    (setq DesFreq 85000000.0000000000000000)
    (setq DesAmp      0.0000000000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1872297.5730149278000000)
    (setq CompAc1  1000.5554999999999000)
    (setq CheckAmp    1.8352848316503394)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -1.0000000000000000)
    (setq L1      1.3007221499999999)
    (setq C1      0.0000422885022622)
    (setq C2      0.0000046641730436)
    (setq C3      0.0000000000469739)
    (setq Rd 6803777400.0000000000000000)
    (setq R1 1000555499999.9999000000000000)
    (setq Rl1 138803.7653732578300000)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                   =           86000000.0000000000000000
;Desired Amplification               =                -0.0076923076920000
;Initial Result 1 Amplitude          =            1020167.3008604913000000
;Secondary Result 2 Amplitude        =            1872320.4167054344000000
;Computed Ac1
;(Component Amplification Factor)     =               1000.5554999999999000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                 =                  1.8353072237525832
;Sign 1 (sign of Result 1)           =                 -1.0000000000000000
;Sign 2 (sign of Result 2)           =                 -1.0000000000000000
;L1                                  =                  1.3007221499999999
;C1                                  =                  0.0000413107664744
;C2                                  =                  0.0000045563345376
;C3                                  =                  0.0000000000469739
;Rd                                  =           6803777400.0000000000000000
;R1                                  =      1000555499999.9999000000000000
;Rl1                                 =           138803.7653732578300000
;
;
    (setq count      86.0000000000000000)
    (setq DesFreq 86000000.0000000000000000)
    (setq DesAmp     -0.0076923076920000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1872320.4167054344000000)
    (setq CompAc1  1000.5554999999999000)
    (setq CheckAmp    1.8353072237525832)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -1.0000000000000000)
    (setq L1      1.3007221499999999)
```

```
    (setq C1      0.0000413107664744)
    (setq C2      0.0000045563345376)
    (setq C3      0.0000000000469739)
    (setq Rd 6803777400.0000000000000000)
    (setq R1 1000555499999.9999000000000000)
    (setq Rl1 138803.7653732578300000)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                     =          87000000.0000000000000000
;Desired Amplification                 =                 0.0153846153840000
;Initial Result 1 Amplitude            =           1020167.3008604913000000
;Secondary Result 2 Amplitude          =           1872343.9215966326000000
;Computed Ac1
;(Component Amplification Factor)       =              1000.5554999999999000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                   =                 1.8353302639844924
;Sign 1 (sign of Result 1)             =                -1.0000000000000000
;Sign 2 (sign of Result 2)             =                -0.9999999999999999
;L1                                    =                 1.3007221499999999
;C1                                    =                 0.0000403665515715
;C2                                    =                 0.0000044521931880
;C3                                    =                 0.0000000000469739
;Rd                                    =          6803777400.0000000000000000
;R1                                    =      1000555499999.9999000000000000
;Rl1                                   =            138803.7653732578300000
;
;
    (setq count      87.0000000000000000)
    (setq DesFreq 87000000.0000000000000000)
    (setq DesAmp      0.0153846153840000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1872343.9215966326000000)
    (setq CompAc1   1000.5554999999999000)
    (setq CheckAmp      1.8353302639844924)
    (setq Sign1      -1.0000000000000000)
    (setq Sign2      -0.9999999999999999)
    (setq L1      1.3007221499999999)
    (setq C1      0.0000403665515715)
    (setq C2      0.0000044521931880)
    (setq C3      0.0000000000469739)
    (setq Rd 6803777400.0000000000000000)
    (setq R1 1000555499999.9999000000000000)
    (setq Rl1 138803.7653732578300000)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                     =          88000000.0000000000000000
;Desired Amplification                 =                 0.0179487179480000
;Initial Result 1 Amplitude            =           1020167.3008604913000000
;Secondary Result 2 Amplitude          =           1872366.5274973237000000
;Computed Ac1
;(Component Amplification Factor)       =              1000.5554999999999000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                   =                 1.8353524229976976
```

```
;Sign 1 (sign of Result 1)              =                    -1.0000000000000000
;Sign 2 (sign of Result 2)              =                    -1.0000000000000000
;L1                                     =                     1.3007221499999999
;C1                                     =                     0.0000394543425677
;C2                                     =                     0.0000043515819009
;C3                                     =                     0.0000000000469739
;Rd                                     =            6803777400.0000000000000000
;R1                                     =         1000555499999.9999000000000000
;Rl1                                    =              138803.7653732578300000
;
;
     (setq count    88.0000000000000000)
     (setq DesFreq 88000000.0000000000000000)
     (setq DesAmp     0.0179487179480000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1872366.5274973237000000)
     (setq CompAc1   1000.5554999999999000)
     (setq CheckAmp     1.8353524229976976)
     (setq Sign1     -1.0000000000000000)
     (setq Sign2     -1.0000000000000000)
     (setq L1       1.3007221499999999)
     (setq C1       0.0000394543425677)
     (setq C2       0.0000043515819009)
     (setq C3       0.0000000000469739)
     (setq Rd 6803777400.0000000000000000)
     (setq R1 1000555499999.9999000000000000)
     (setq Rl1 138803.7653732578300000)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                      =            89000000.0000000000000000
;Desired Amplification                  =                   0.0102564102560000
;Initial Result 1 Amplitude             =             1020167.3008604913000000
;Secondary Result 2 Amplitude           =             1872386.8167032823000000
;Computed Ac1
;(Component Amplification Factor)        =                1000.5554999999999000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =                   1.8353723111140305
;Sign 1 (sign of Result 1)              =                  -1.0000000000000000
;Sign 2 (sign of Result 2)              =                  -1.0000000000000000
;L1                                     =                   1.3007221499999999
;C1                                     =                   0.0000385727091080
;C2                                     =                   0.0000042543429163
;C3                                     =                   0.0000000000469739
;Rd                                     =          6803777400.0000000000000000
;R1                                     =       1000555499999.9999000000000000
;Rl1                                    =            138803.7653732578300000
;
;
     (setq count    89.0000000000000000)
     (setq DesFreq 89000000.0000000000000000)
     (setq DesAmp     0.0102564102560000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1872386.8167032823000000)
     (setq CompAc1   1000.5554999999999000)
     (setq CheckAmp     1.8353723111140305)
```

```
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1    1.3007221499999999)
    (setq C1    0.0000385727091080)
    (setq C2    0.0000042543429163)
    (setq C3    0.0000000000469739)
    (setq Rd 6803777400.0000000000000000)
    (setq R1 1000555499999.9999000000000000)
    (setq Rll 138803.7653732578300000)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rll)
;
;
;Desired Frequency                          =              90000000.0000000000000000
;Desired Amplification                      =                     0.0051282051280000
;Initial Result 1 Amplitude                 =               1020167.3008604913000000
;Secondary Result 2 Amplitude               =               1872404.7895801894000000
;Computed Ac1
;(Component Amplification Factor)           =                  1000.5554999999999000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                        =                     1.8353899286919435
;Sign 1 (sign of Result 1)                  =                    -1.0000000000000000
;Sign 2 (sign of Result 2)                  =                    -1.0000000000000000
;L1                                         =                     1.3007221499999999
;C1                                         =                     0.0000377202998573
;C2                                         =                     0.0000041603271901
;C3                                         =                     0.0000000000469739
;Rd                                         =              6803777400.0000000000000000
;R1                                         =           1000555499999.9999000000000000
;Rll                                        =                138803.7653732578300000
;
;
    (setq count    90.0000000000000000)
    (setq DesFreq 90000000.0000000000000000)
    (setq DesAmp    0.0051282051280000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1872404.7895801894000000)
    (setq CompAc1  1000.5554999999999000)
    (setq CheckAmp    1.8353899286919435)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1    1.3007221499999999)
    (setq C1    0.0000377202998573)
    (setq C2    0.0000041603271901)
    (setq C3    0.0000000000469739)
    (setq Rd 6803777400.0000000000000000)
    (setq R1 1000555499999.9999000000000000)
    (setq Rll 138803.7653732578300000)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rll)
;
;
;Desired Frequency                          =              91000000.0000000000000000
;Desired Amplification                      =                     0.0179487179480000
;Initial Result 1 Amplitude                 =               1020167.3008604913000000
;Secondary Result 2 Amplitude               =               1872421.8915974391000000
;Computed Ac1
```

```
;(Component Amplification Factor)          =              1000.5554999999999000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                       =                 1.8354066926258934
;Sign 1 (sign of Result 1)                 =                -1.0000000000000000
;Sign 2 (sign of Result 2)                 =                -1.0000000000000000
;L1                                        =                 1.3007221499999999
;C1                                        =                 0.0000368958373197
;C2                                        =                 0.0000040693938220
;C3                                        =                 0.0000000000469739
;Rd                                        =        6803777400.0000000000000000
;R1                                        =    1000555499999.9999000000000000
;R11                                       =           138803.7653732578300000
;
;
     (setq count     91.0000000000000000)
     (setq DesFreq 91000000.0000000000000000)
     (setq DesAmp      0.0179487179480000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1872421.8915974391000000)
     (setq CompAc1  1000.5554999999999000)
     (setq CheckAmp     1.8354066926258934)
     (setq Sign1     -1.0000000000000000)
     (setq Sign2     -1.0000000000000000)
     (setq L1      1.3007221499999999)
     (setq C1      0.0000368958373197)
     (setq C2      0.0000040693938220)
     (setq C3      0.0000000000469739)
     (setq Rd 6803777400.0000000000000000)
     (setq R1 1000555499999.9999000000000000)
     (setq R11 138803.7653732578300000)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                         =           92000000.0000000000000000
;Desired Amplification                     =                  0.0179487179480000
;Initial Result 1 Amplitude                =            1020167.3008604913000000
;Secondary Result 2 Amplitude              =            1872439.7681668086000000
;Computed Ac1
;(Component Amplification Factor)          =               1000.5554999999999000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                       =                  1.8354242158001361
;Sign 1 (sign of Result 1)                 =                 -1.0000000000000000
;Sign 2 (sign of Result 2)                 =                 -1.0000000000000000
;L1                                        =                  1.3007221499999999
;C1                                        =                  0.0000360981130487
;C2                                        =                  0.0000039814095274
;C3                                        =                  0.0000000000469739
;Rd                                        =         6803777400.0000000000000000
;R1                                        =     1000555499999.9999000000000000
;R11                                       =            138803.7653732578300000
;
;
     (setq count     92.0000000000000000)
     (setq DesFreq 92000000.0000000000000000)
     (setq DesAmp      0.0179487179480000)
     (setq Init1Amp 1020167.3008604913000000)
```

```
    (setq Sec2Amp 1872439.7681668086000000)
    (setq CompAc1  1000.5554999999999000)
    (setq CheckAmp    1.8354242158001361)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1     1.3007221499999999)
    (setq C1     0.0000360981130487)
    (setq C2     0.0000039814095274)
    (setq C3     0.0000000000469739)
    (setq Rd 6803777400.0000000000000000)
    (setq R1 1000555499999.9999000000000000)
    (setq Rl1 138803.7653732578300000)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =        93000000.0000000000000000
;Desired Amplification                =           -0.0256410256400000
;Initial Result 1 Amplitude           =         1020167.3008604913000000
;Secondary Result 2 Amplitude         =         1872458.8422860024000000
;Computed Ac1
;(Component Amplification Factor)      =            1000.5554999999999000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =               1.8354429128502940
;Sign 1 (sign of Result 1)            =              -1.0000000000000000
;Sign 2 (sign of Result 2)            =              -1.0000000000000000
;L1                                   =               1.3007221499999999
;C1                                   =               0.0000353259832171
;C2                                   =               0.0000038962481489
;C3                                   =               0.0000000000469739
;Rd                                   =         6803777400.0000000000000000
;R1                                   =     1000555499999.9999000000000000
;Rl1                                  =          138803.7653732578300000
;
;
    (setq count     93.0000000000000000)
    (setq DesFreq 93000000.0000000000000000)
    (setq DesAmp     -0.0256410256400000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1872458.8422860024000000)
    (setq CompAc1  1000.5554999999999000)
    (setq CheckAmp    1.8354429128502940)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1     1.3007221499999999)
    (setq C1     0.0000353259832171)
    (setq C2     0.0000038962481489)
    (setq C3     0.0000000000469739)
    (setq Rd 6803777400.0000000000000000)
    (setq R1 1000555499999.9999000000000000)
    (setq Rl1 138803.7653732578300000)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =        94000000.0000000000000000
;Desired Amplification                =           -0.0307692307680000
```

```
;Initial Result 1 Amplitude                =            1020167.3008604913000000
;Secondary Result 2 Amplitude              =            1872477.9657799664000000
;Computed Ac1
;(Component Amplification Factor)          =               1000.5554999999999000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                       =                  1.8354616582991512
;Sign 1 (sign of Result 1)                 =                 -1.0000000000000000
;Sign 2 (sign of Result 2)                 =                 -1.0000000000000000
;L1                                        =                  1.3007221499999999
;C1                                        =                  0.0000345783645138
;C2                                        =                  0.0000038137902037
;C3                                        =                  0.0000000000469739
;Rd                                        =         6803777400.0000000000000000
;R1                                        =      1000555499999.9999000000000000
;Rl1                                       =             138803.7653732578300000
;
;
      (setq count     94.0000000000000000)
      (setq DesFreq 94000000.0000000000000000)
      (setq DesAmp     -0.0307692307680000)
      (setq Init1Amp 1020167.3008604913000000)
      (setq Sec2Amp 1872477.9657799664000000)
      (setq CompAc1   1000.5554999999999000)
      (setq CheckAmp     1.8354616582991512)
      (setq Sign1     -1.0000000000000000)
      (setq Sign2     -1.0000000000000000)
      (setq L1      1.3007221499999999)
      (setq C1      0.0000345783645138)
      (setq C2      0.0000038137902037)
      (setq C3      0.0000000000469739)
      (setq Rd 6803777400.0000000000000000)
      (setq R1 1000555499999.9999000000000000)
      (setq Rl1 138803.7653732578300000)
      (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                         =           95000000.0000000000000000
;Desired Amplification                     =                  0.0051282051280000
;Initial Result 1 Amplitude                =            1020167.3008604913000000
;Secondary Result 2 Amplitude              =            1872495.4508710157000000
;Computed Ac1
;(Component Amplification Factor)          =               1000.5554999999999000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                       =                  1.8354787977340601
;Sign 1 (sign of Result 1)                 =                 -1.0000000000000000
;Sign 2 (sign of Result 2)                 =                 -1.0000000000000000
;L1                                        =                  1.3007221499999999
;C1                                        =                  0.0000338542303429
;C2                                        =                  0.0000037339224643
;C3                                        =                  0.0000000000469739
;Rd                                        =         6803777400.0000000000000000
;R1                                        =      1000555499999.9999000000000000
;Rl1                                       =             138803.7653732578300000
;
;
      (setq count     95.0000000000000000)
```

```
    (setq DesFreq 95000000.0000000000000000)
    (setq DesAmp      0.0051282051280000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1872495.4508710157000000)
    (setq CompAc1  1000.5554999999999000)
    (setq CheckAmp      1.8354787977340601)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -1.0000000000000000)
    (setq L1      1.3007221499999999)
    (setq C1      0.0000338542303429)
    (setq C2      0.0000037339224643)
    (setq C3      0.0000000000469739)
    (setq Rd 6803777400.0000000000000000)
    (setq R1 1000555499999.9999000000000000)
    (setq Rl1 138803.7653732578300000)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;
;Desired Frequency                      =            96000000.0000000000000000
;Desired Amplification                  =                  -0.0102564102560000
;Initial Result 1 Amplitude             =             1020167.3008604913000000
;Secondary Result 2 Amplitude           =             1872510.5750687595000000
;Computed Ac1
;(Component Amplification Factor)        =                1000.5554999999999000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =                   1.8354936229472689
;Sign 1 (sign of Result 1)              =                  -1.0000000000000000
;Sign 2 (sign of Result 2)              =                  -1.0000000000000000
;L1                                     =                   1.3007221499999999
;C1                                     =                   0.0000331526072965
;C2                                     =                   0.0000036565375695
;C3                                     =                   0.0000000000469739
;Rd                                     =            6803777400.0000000000000000
;R1                                     =         1000555499999.9999000000000000
;Rl1                                    =                 138803.7653732578300000
;
;
    (setq count      96.0000000000000000)
    (setq DesFreq 96000000.0000000000000000)
    (setq DesAmp     -0.0102564102560000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1872510.5750687595000000)
    (setq CompAc1  1000.5554999999999000)
    (setq CheckAmp      1.8354936229472689)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -1.0000000000000000)
    (setq L1      1.3007221499999999)
    (setq C1      0.0000331526072965)
    (setq C2      0.0000036565375695)
    (setq C3      0.0000000000469739)
    (setq Rd 6803777400.0000000000000000)
    (setq R1 1000555499999.9999000000000000)
    (setq Rl1 138803.7653732578300000)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
```

```
;
;Desired Frequency                        =                97000000.0000000000000000
;Desired Amplification                    =                      -0.0153846153840000
;Initial Result 1 Amplitude               =                 1020167.3008604913000000
;Secondary Result 2 Amplitude             =                 1872524.2361691797000000
;Computed Ac1
;(Component Amplification Factor)          =                    1000.5554999999999000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                      =                       1.8355070139865706
;Sign 1 (sign of Result 1)                =                      -1.0000000000000000
;Sign 2 (sign of Result 2)                =                      -1.0000000000000000
;L1                                       =                       1.3007221499999999
;C1                                       =                       0.0000324725718827
;C2                                       =                       0.0000035815336635
;C3                                       =                       0.0000000000469739
;Rd                                       =              6803777400.0000000000000000
;R1                                       =           1000555499999.9999000000000000
;R11                                      =                  138803.7653732578300000
;
;
    (setq count     97.0000000000000000)
    (setq DesFreq 97000000.0000000000000000)
    (setq DesAmp     -0.0153846153840000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1872524.2361691797000000)
    (setq CompAc1  1000.5554999999999000)
    (setq CheckAmp    1.8355070139865706)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -1.0000000000000000)
    (setq L1      1.3007221499999999)
    (setq C1      0.0000324725718827)
    (setq C2      0.0000035815336635)
    (setq C3      0.0000000000469739)
    (setq Rd 6803777400.0000000000000000)
    (setq R1 1000555499999.9999000000000000)
    (setq R11 138803.7653732578300000)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                        =                98000000.0000000000000000
;Desired Amplification                    =                       0.0179487179480000
;Initial Result 1 Amplitude               =                 1020167.3008604913000000
;Secondary Result 2 Amplitude             =                 1872538.1814950020000000
;Computed Ac1
;(Component Amplification Factor)          =                    1000.5554999999999000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                      =                       1.8355206836325302
;Sign 1 (sign of Result 1)                =                      -1.0000000000000000
;Sign 2 (sign of Result 2)                =                      -1.0000000000000000
;L1                                       =                       1.3007221499999999
;C1                                       =                       0.0000318132474848
;C2                                       =                       0.0000035088140608
;C3                                       =                       0.0000000000469739
;Rd                                       =              6803777400.0000000000000000
;R1                                       =           1000555499999.9999000000000000
;R11                                      =                  138803.7653732578300000
```

```
;
;
    (setq count     98.0000000000000000)
    (setq DesFreq 98000000.0000000000000000)
    (setq DesAmp      0.0179487179480000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1872538.1814950020000000)
    (setq CompAc1  1000.5554999999999000)
    (setq CheckAmp     1.8355206836325302)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -1.0000000000000000)
    (setq L1      1.3007221499999999)
    (setq C1      0.0000318132474848)
    (setq C2      0.0000035088140608)
    (setq C3      0.0000000000469739)
    (setq Rd 6803777400.0000000000000000)
    (setq R1 1000555499999.9999000000000000)
    (setq Rl1 138803.7653732578300000)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =              99000000.0000000000000000
;Desired Amplification                =                     0.0153846153840000
;Initial Result 1 Amplitude           =              1020167.3008604913000000
;Secondary Result 2 Amplitude         =              1872553.4891912050000000
;Computed Ac1
;(Component Amplification Factor)      =                  1000.5554999999999000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =                     1.8355356887166865
;Sign 1 (sign of Result 1)            =                    -1.0000000000000000
;Sign 2 (sign of Result 2)            =                    -1.0000000000000000
;L1                                   =                     1.3007221499999999
;C1                                   =                     0.0000311738015350
;C2                                   =                     0.0000034382869340
;C3                                   =                     0.0000000000469739
;Rd                                   =             6803777400.0000000000000000
;R1                                   =         1000555499999.9999000000000000
;Rl1                                  =                138803.7653732578300000
;
;
    (setq count     99.0000000000000000)
    (setq DesFreq 99000000.0000000000000000)
    (setq DesAmp      0.0153846153840000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1872553.4891912050000000)
    (setq CompAc1  1000.5554999999999000)
    (setq CheckAmp     1.8355356887166865)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -1.0000000000000000)
    (setq L1      1.3007221499999999)
    (setq C1      0.0000311738015350)
    (setq C2      0.0000034382869340)
    (setq C3      0.0000000000469739)
    (setq Rd 6803777400.0000000000000000)
    (setq R1 1000555499999.9999000000000000)
    (setq Rl1 138803.7653732578300000)
```

```
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =          100000000.0000000000000000
;Desired Amplification                =                  0.0051282051280000
;Initial Result 1 Amplitude           =            1020167.3008604913000000
;Secondary Result 2 Amplitude         =            1872569.6370671445000000
;Computed Ac1
;(Component Amplification Factor)      =               1000.5554999999999000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =                  1.8355515173713846
;Sign 1 (sign of Result 1)            =                 -1.0000000000000000
;Sign 2 (sign of Result 2)            =                 -1.0000000000000000
;L1                                   =                  1.3007221499999999
;C1                                   =                  0.0000305534428844
;C2                                   =                  0.0000033698650240
;C3                                   =                  0.0000000000469739
;Rd                                   =         6803777400.0000000000000000
;R1                                   =      1000555499999.9999000000000000
;Rl1                                  =             138803.7653732578300000
;
;
     (setq count   100.0000000000000000)
     (setq DesFreq 100000000.0000000000000000)
     (setq DesAmp     0.0051282051280000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1872569.6370671445000000)
     (setq CompAc1  1000.5554999999999000)
     (setq CheckAmp    1.8355515173713846)
     (setq Sign1    -1.0000000000000000)
     (setq Sign2    -1.0000000000000000)
     (setq L1       1.3007221499999999)
     (setq C1       0.0000305534428844)
     (setq C2       0.0000033698650240)
     (setq C3       0.0000000000469739)
     (setq Rd 6803777400.0000000000000000)
     (setq R1 1000555499999.9999000000000000)
     (setq Rl1 138803.7653732578300000)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =          101000000.0000000000000000
;Desired Amplification                =                  0.0000000000000000
;Initial Result 1 Amplitude           =            1020167.3008604913000000
;Secondary Result 2 Amplitude         =            1872584.9778053220000000
;Computed Ac1
;(Component Amplification Factor)      =               1000.5554999999999000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =                  1.8355665548443212
;Sign 1 (sign of Result 1)            =                 -1.0000000000000000
;Sign 2 (sign of Result 2)            =                 -1.0000000000000000
;L1                                   =                  1.3007221499999999
;C1                                   =                  0.0000299514193554
;C2                                   =                  0.0000033034653701
;C3                                   =                  0.0000000000469739
```

```
;Rd                                =            6803777400.0000000000000000
;R1                                =        1000555499999.9999000000000000
;Rll                               =              138803.7653732578300000
;
;
     (setq count   101.0000000000000000)
     (setq DesFreq 101000000.0000000000000000)
     (setq DesAmp    0.0000000000000000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1872584.9778053220000000)
     (setq CompAcl  1000.5554999999999000)
     (setq CheckAmp    1.8355665548443212)
     (setq Sign1    -1.0000000000000000)
     (setq Sign2    -1.0000000000000000)
     (setq L1     1.3007221499999999)
     (setq C1     0.0000299514193554)
     (setq C2     0.0000033034653701)
     (setq C3     0.0000000000469739)
     (setq Rd 6803777400.0000000000000000)
     (setq R1 1000555499999.9999000000000000)
     (setq Rll 138803.7653732578300000)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rll)
;
;
;Desired Frequency                 =          102000000.0000000000000000
;Desired Amplification             =                 0.0102564102560000
;Initial Result 1 Amplitude        =            1020167.3008604913000000
;Secondary Result 2 Amplitude      =            1872598.2027197543000000
;Computed Acl
;(Component Amplification Factor)   =               1000.5554999999999000
;Check of Amplification Factor Desired
;(Result 2/Result 1)               =                  1.8355795183204306
;Sign 1 (sign of Result 1)         =                 -1.0000000000000000
;Sign 2 (sign of Result 2)         =                 -1.0000000000000000
;L1                                =                  1.3007221499999999
;C1                                =                  0.0000293670154599
;C2                                =                  0.0000032390090581
;C3                                =                  0.0000000000469739
;Rd                                =            6803777400.0000000000000000
;R1                                =        1000555499999.9999000000000000
;Rll                               =              138803.7653732578300000
;
;
     (setq count   102.0000000000000000)
     (setq DesFreq 102000000.0000000000000000)
     (setq DesAmp    0.0102564102560000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1872598.2027197543000000)
     (setq CompAcl  1000.5554999999999000)
     (setq CheckAmp    1.8355795183204306)
     (setq Sign1    -1.0000000000000000)
     (setq Sign2    -1.0000000000000000)
     (setq L1     1.3007221499999999)
     (setq C1     0.0000293670154599)
     (setq C2     0.0000032390090581)
     (setq C3     0.0000000000469739)
```

```
    (setq Rd 6803777400.0000000000000000)
    (setq R1 1000555499999.9999000000000000)
    (setq Rl1 138803.7653732578300000)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                      =             103000000.0000000000000000
;Desired Amplification                  =                     0.0128205128200000
;Initial Result 1 Amplitude             =               1020167.3008604913000000
;Secondary Result 2 Amplitude           =               1872609.5069887787000000
;Computed Ac1
;(Component Amplification Factor)        =                  1000.5554999999999000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =                     1.8355905991196435
;Sign 1 (sign of Result 1)              =                    -1.0000000000000000
;Sign 2 (sign of Result 2)              =                    -1.0000000000000000
;L1                                     =                     1.3007221499999999
;C1                                     =                     0.0000287995502728
;C2                                     =                     0.0000031764209860
;C3                                     =                     0.0000000000469739
;Rd                                     =             6803777400.0000000000000000
;R1                                     =          1000555499999.9999000000000000
;Rl1                                    =                138803.7653732578300000
;
;
    (setq count   103.0000000000000000)
    (setq DesFreq 103000000.0000000000000000)
    (setq DesAmp     0.0128205128200000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1872609.5069887787000000)
    (setq CompAc1  1000.5554999999999000)
    (setq CheckAmp    1.8355905991196435)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -1.0000000000000000)
    (setq L1       1.3007221499999999)
    (setq C1       0.0000287995502728)
    (setq C2       0.0000031764209860)
    (setq C3       0.0000000000469739)
    (setq Rd 6803777400.0000000000000000)
    (setq R1 1000555499999.9999000000000000)
    (setq Rl1 138803.7653732578300000)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                      =             104000000.0000000000000000
;Desired Amplification                  =                    -0.0333333333320000
;Initial Result 1 Amplitude             =               1020167.3008604913000000
;Secondary Result 2 Amplitude           =               1872620.4318062805000000
;Computed Ac1
;(Component Amplification Factor)        =                  1000.5554999999999000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =                     1.8356013079685671
;Sign 1 (sign of Result 1)              =                    -1.0000000000000000
;Sign 2 (sign of Result 2)              =                    -1.0000000000000000
;L1                                     =                     1.3007221499999999
```

```
;C1                                           =                     0.0000282483754479
;C2                                           =                     0.0000031156296450
;C3                                           =                     0.0000000000469739
;Rd                                           =               6803777400.0000000000000000
;R1                                           =            1000555499999.9999000000000000
;Rl1                                          =                  138803.7653732578300000
;
;
    (setq count   104.0000000000000000)
    (setq DesFreq 104000000.0000000000000000)
    (setq DesAmp    -0.0333333333320000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1872620.4318062805000000)
    (setq CompAc1   1000.5554999999999000)
    (setq CheckAmp     1.8356013079685671)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1       1.3007221499999999)
    (setq C1       0.0000282483754479)
    (setq C2       0.0000031156296450)
    (setq C3       0.0000000000469739)
    (setq Rd 6803777400.0000000000000000)
    (setq R1 1000555499999.9999000000000000)
    (setq Rl1 138803.7653732578300000)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                            =               105000000.0000000000000000
;Desired Amplification                        =                      -0.0256410256400000
;Initial Result 1 Amplitude                   =                 1020167.3008604913000000
;Secondary Result 2 Amplitude                 =                 1872632.5222986373000000
;Computed Ac1
;(Component Amplification Factor)              =                    1000.5554999999999000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                          =                       1.8356131594485612
;Sign 1 (sign of Result 1)                    =                      -1.0000000000000000
;Sign 2 (sign of Result 2)                    =                      -1.0000000000000000
;L1                                           =                       1.3007221499999999
;C1                                           =                       0.0000277128733646
;C2                                           =                       0.0000030565669152
;C3                                           =                       0.0000000000469739
;Rd                                           =               6803777400.0000000000000000
;R1                                           =            1000555499999.9999000000000000
;Rl1                                          =                  138803.7653732578300000
;
;
    (setq count   105.0000000000000000)
    (setq DesFreq 105000000.0000000000000000)
    (setq DesAmp    -0.0256410256400000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1872632.5222986373000000)
    (setq CompAc1   1000.5554999999999000)
    (setq CheckAmp     1.8356131594485612)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1       1.3007221499999999)
```

```
    (setq C1      0.0000277128733646)
    (setq C2      0.0000030565669152)
    (setq C3      0.0000000000469739)
    (setq Rd 6803777400.0000000000000000)
    (setq R1 1000555499999.9999000000000000)
    (setq Rl1 138803.7653732578300000)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                           =          106000000.0000000000000000
;Desired Amplification                       =                  0.0282051282040000
;Initial Result 1 Amplitude                  =            1020167.3008604913000000
;Secondary Result 2 Amplitude                =            1872645.9813782852000000
;Computed Ac1
;(Component Amplification Factor)             =               1000.5554999999999000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                         =                  1.8356263524607628
;Sign 1 (sign of Result 1)                   =                 -1.0000000000000000
;Sign 2 (sign of Result 2)                   =                 -1.0000000000000000
;L1                                          =                  1.3007221499999999
;C1                                          =                  0.0000271924553973
;C2                                          =                  0.0000029991678747
;C3                                          =                  0.0000000000469739
;Rd                                          =          6803777400.0000000000000000
;R1                                          =      1000555499999.9999000000000000
;Rl1                                         =             138803.7653732578300000
;
;
    (setq count    106.0000000000000000)
    (setq DesFreq 106000000.0000000000000000)
    (setq DesAmp     0.0282051282040000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1872645.9813782852000000)
    (setq CompAc1   1000.5554999999999000)
    (setq CheckAmp    1.8356263524607628)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -1.0000000000000000)
    (setq L1       1.3007221499999999)
    (setq C1      0.0000271924553973)
    (setq C2      0.0000029991678747)
    (setq C3      0.0000000000469739)
    (setq Rd 6803777400.0000000000000000)
    (setq R1 1000555499999.9999000000000000)
    (setq Rl1 138803.7653732578300000)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                           =          107000000.0000000000000000
;Desired Amplification                       =                  0.0333333333320000
;Initial Result 1 Amplitude                  =            1020167.3008604913000000
;Secondary Result 2 Amplitude                =            1872659.5032490622000000
;Computed Ac1
;(Component Amplification Factor)             =               1000.5554999999999000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                         =                  1.8356396070227996
```

```
;Sign 1 (sign of Result 1)              =                    -1.0000000000000000
;Sign 2 (sign of Result 2)              =                    -1.0000000000000000
;L1                                     =                     1.3007221499999999
;C1                                     =                     0.0000266865602973
;C2                                     =                     0.0000029433706210
;C3                                      =                     0.0000000000469739
;Rd                                     =            6803777400.0000000000000000
;R1                                     =         1000555499999.9999000000000000
;Rl1                                    =                138803.7653732578300000
;
;
     (setq count   107.0000000000000000)
     (setq DesFreq 107000000.0000000000000000)
     (setq DesAmp     0.0333333333320000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1872659.5032490622000000)
     (setq CompAc1  1000.5554999999999000)
     (setq CheckAmp    1.8356396070227996)
     (setq Sign1     -1.0000000000000000)
     (setq Sign2     -1.0000000000000000)
     (setq L1      1.3007221499999999)
     (setq C1      0.0000266865602973)
     (setq C2      0.0000029433706210)
     (setq C3      0.0000000000469739)
     (setq Rd 6803777400.0000000000000000)
     (setq R1 1000555499999.9999000000000000)
     (setq Rl1 138803.7653732578300000)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                      =            108000000.0000000000000000
;Desired Amplification                  =                     0.1410256410200000
;Initial Result 1 Amplitude             =               1020167.3008604913000000
;Secondary Result 2 Amplitude           =               1872671.4329935841000000
;Computed Ac1
;(Component Amplification Factor)        =                  1000.5554999999999000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =                     1.8356513009327218
;Sign 1 (sign of Result 1)              =                    -1.0000000000000000
;Sign 2 (sign of Result 2)              =                    -1.0000000000000000
;L1                                     =                     1.3007221499999999
;C1                                     =                     0.0000261946526787
;C2                                     =                     0.0000028891161043
;C3                                     =                     0.0000000000469739
;Rd                                     =            6803777400.0000000000000000
;R1                                     =         1000555499999.9999000000000000
;Rl1                                    =                138803.7653732578300000
;
;
     (setq count   108.0000000000000000)
     (setq DesFreq 108000000.0000000000000000)
     (setq DesAmp     0.1410256410200000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1872671.4329935841000000)
     (setq CompAc1  1000.5554999999999000)
     (setq CheckAmp    1.8356513009327218)
```

```
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1     1.3007221499999999)
    (setq C1     0.0000261946526787)
    (setq C2     0.0000028891161043)
    (setq C3     0.0000000000469739)
    (setq Rd 6803777400.0000000000000000)
    (setq R1 1000555499999.9999000000000000)
    (setq Rl1 138803.7653732578300000)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                  =        109000000.0000000000000000
;Desired Amplification              =               0.5333333333120001
;Initial Result 1 Amplitude         =            1020167.3008604913000000
;Secondary Result 2 Amplitude       =            1872996.6879380657000000
;Computed Ac1
;(Component Amplification Factor)    =               9.1100999999999992
;Check of Amplification Factor Desired
;(Result 2/Result 1)                =               1.8359701260354351
;Sign 1 (sign of Result 1)          =              -1.0000000000000000
;Sign 2 (sign of Result 2)          =              -1.0000000000000002
;L1                                 =               0.0118431300000000
;C1                                 =               0.0028243934712397
;C2                                 =               0.0003115139857985
;C3                                 =               0.0000000051591091
;Rd                                 =        61948679.9999999930000000
;R1                                 =      9110100000.0000000000000000
;Rl1                                =               1263.8141341753817000
;
;
    (setq count    109.0000000000000000)
    (setq DesFreq 109000000.0000000000000000)
    (setq DesAmp     0.5333333333120001)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1872996.6879380657000000)
    (setq CompAc1    9.1100999999999992)
    (setq CheckAmp   1.8359701260354351)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000002)
    (setq L1     0.0118431300000000)
    (setq C1     0.0028243934712397)
    (setq C2     0.0003115139857985)
    (setq C3     0.0000000051591091)
    (setq Rd 61948679.9999999930000000)
    (setq R1 9110100000.0000000000000000)
    (setq Rl1  1263.8141341753817000)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                  =        110000000.0000000000000000
;Desired Amplification              =               2.0410256409440004
;Initial Result 1 Amplitude         =            1020167.3008604913000000
;Secondary Result 2 Amplitude       =            1873276.6355843123000000
;Computed Ac1
```

```
;(Component Amplification Factor)          =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                       =                    1.8362445395027265
;Sign 1 (sign of Result 1)                 =                   -1.0000000000000000
;Sign 2 (sign of Result 2)                 =                   -0.9999999999999999
;L1                                        =                    0.0005778500000000
;C1                                        =                    0.0568387087766124
;C2                                        =                    0.0062689752327146
;C3                                        =                    0.0000001057367829
;Rd                                        =              3022600.0000000000000000
;R1                                        =            444500000.0000000000000000
;R11                                       =                   61.6640193456665950
;
;
     (setq count    110.0000000000000000)
     (setq DesFreq 110000000.0000000000000000)
     (setq DesAmp     2.0410256409440004)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873276.6355843123000000)
     (setq CompAc1    0.4445000000000000)
     (setq CheckAmp    1.8362445395027265)
     (setq Sign1     -1.0000000000000000)
     (setq Sign2     -0.9999999999999999)
     (setq L1       0.0005778500000000)
     (setq C1       0.0568387087766124)
     (setq C2       0.0062689752327146)
     (setq C3       0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq R11      61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                         =            111000000.0000000000000000
;Desired Amplification                     =                   10.9615384611000020
;Initial Result 1 Amplitude                =              1020167.3008604913000000
;Secondary Result 2 Amplitude              =              1873277.1264037986000000
;Computed Ac1
;(Component Amplification Factor)          =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                       =                    1.8362450206193883
;Sign 1 (sign of Result 1)                 =                   -1.0000000000000000
;Sign 2 (sign of Result 2)                 =                   -1.0000000000000000
;L1                                        =                    0.0005778500000000
;C1                                        =                    0.0558192010548665
;C2                                        =                    0.0061565295281103
;C3                                        =                    0.0000001057367829
;Rd                                        =              3022600.0000000000000000
;R1                                        =            444500000.0000000000000000
;R11                                       =                   61.6640193456665950
;
;
     (setq count    111.0000000000000000)
     (setq DesFreq 111000000.0000000000000000)
     (setq DesAmp    10.9615384611000020)
     (setq Init1Amp 1020167.3008604913000000)
```

```
    (setq Sec2Amp 1873277.1264037986000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp    1.8362450206193883)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.0558192010548665)
    (setq C2      0.0061565295281103)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                      =         112000000.0000000000000000
;Desired Amplification                  =                86.0743589709160090
;Initial Result 1 Amplitude             =           1020167.3008604913000000
;Secondary Result 2 Amplitude           =           1873277.6049458962000000
;Computed Ac1
;(Component Amplification Factor)        =                 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =                 1.8362454897013687
;Sign 1 (sign of Result 1)              =                -1.0000000000000000
;Sign 2 (sign of Result 2)              =                -0.9999999999999999
;L1                                     =                 0.0005778500000000
;C1                                     =                 0.0548268794799912
;C2                                     =                 0.0060470822955873
;C3                                     =                 0.0000001057367829
;Rd                                     =           3022600.0000000000000000
;R1                                     =         444500000.0000000000000000
;Rl1                                    =                61.6640193456665950
;
;
    (setq count    112.0000000000000000)
    (setq DesFreq 112000000.0000000000000000)
    (setq DesAmp     86.0743589709160090)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873277.6049458962000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp    1.8362454897013687)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -0.9999999999999999)
    (setq L1      0.0005778500000000)
    (setq C1      0.0548268794799912)
    (setq C2      0.0060470822955873)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                      =         113000000.0000000000000000
;Desired Amplification                  =              1238.1794871299601000
```

```
;Initial Result 1 Amplitude          =              1020167.3008604913000000
;Secondary Result 2 Amplitude        =              1873278.0713453309000000
;Computed Ac1
;(Component Amplification Factor)     =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                 =                    1.8362459468807297
;Sign 1 (sign of Result 1)           =                   -1.0000000000000000
;Sign 2 (sign of Result 2)           =                   -1.0000000000000000
;L1                                   =                    0.0005778500000000
;C1                                   =                    0.0538607859814402
;C2                                   =                    0.0059405278656000
;C3                                   =                    0.0000001057367829
;Rd                                   =              3022600.0000000000000000
;R1                                   =            444500000.0000000000000000
;Rl1                                  =                   61.6640193456665950
;
;
      (setq count   113.0000000000000000)
      (setq DesFreq 113000000.0000000000000000)
      (setq DesAmp  1238.1794871299601000)
      (setq Init1Amp 1020167.3008604913000000)
      (setq Sec2Amp 1873278.0713453309000000)
      (setq CompAc1     0.4445000000000000)
      (setq CheckAmp     1.8362459468807297)
      (setq Sign1    -1.0000000000000000)
      (setq Sign2    -1.0000000000000000)
      (setq L1      0.0005778500000000)
      (setq C1      0.0538607859814402)
      (setq C2      0.0059405278656000)
      (setq C3      0.0000001057367829)
      (setq Rd 3022600.0000000000000000)
      (setq R1 444500000.0000000000000000)
      (setq Rl1      61.6640193456665950)
      (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =            114000000.0000000000000000
;Desired Amplification                =              127171.5410205541700000
;Initial Result 1 Amplitude           =              1020167.3008604913000000
;Secondary Result 2 Amplitude         =              1873278.5252841245000000
;Computed Ac1
;(Component Amplification Factor)      =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =                    1.8362463918457792
;Sign 1 (sign of Result 1)            =                   -1.0000000000000000
;Sign 2 (sign of Result 2)            =                   -0.9999999999999999
;L1                                   =                    0.0005778500000000
;C1                                   =                    0.0529200043241775
;C2                                   =                    0.0058367651828137
;C3                                   =                    0.0000001057367829
;Rd                                   =              3022600.0000000000000000
;R1                                   =            444500000.0000000000000000
;Rl1                                  =                   61.6640193456665950
;
;
      (setq count   114.0000000000000000)
```

```
      (setq DesFreq 114000000.0000000000000000)
      (setq DesAmp 127171.5410205541700000)
      (setq Init1Amp 1020167.3008604913000000)
      (setq Sec2Amp 1873278.5252841245000000)
      (setq CompAc1     0.4445000000000000)
      (setq CheckAmp     1.8362463918457792)
      (setq Sign1    -1.0000000000000000)
      (setq Sign2    -0.9999999999999999)
      (setq L1      0.0005778500000000)
      (setq C1      0.0529200043241775)
      (setq C2      0.0058367651828137)
      (setq C3      0.0000001057367829)
      (setq Rd 3022600.0000000000000000)
      (setq R1 444500000.0000000000000000)
      (setq Rl1     61.6640193456665950)
      (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;
;Desired Frequency                      =           115000000.0000000000000000
;Desired Amplification                  =             -2419126.4306724658000000
;Initial Result 1 Amplitude             =              1020167.3008604913000000
;Secondary Result 2 Amplitude           =              1873278.9666603617000000
;Computed Ac1
;(Component Amplification Factor)        =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =                    1.8362468244966168
;Sign 1 (sign of Result 1)              =                   -1.0000000000000000
;Sign 2 (sign of Result 2)              =                   -1.0000000000000000
;L1                                     =                    0.0005778500000000
;C1                                     =                    0.0520036579355017
;C2                                     =                    0.0057356975664156
;C3                                     =                    0.0000001057367829
;Rd                                     =              3022600.0000000000000000
;R1                                     =            444500000.0000000000000000
;Rl1                                    =                   61.6640193456665950
;
;
      (setq count    115.0000000000000000)
      (setq DesFreq 115000000.0000000000000000)
      (setq DesAmp -2419126.4306724658000000)
      (setq Init1Amp 1020167.3008604913000000)
      (setq Sec2Amp 1873278.9666603617000000)
      (setq CompAc1     0.4445000000000000)
      (setq CheckAmp     1.8362468244966168)
      (setq Sign1    -1.0000000000000000)
      (setq Sign2    -1.0000000000000000)
      (setq L1      0.0005778500000000)
      (setq C1      0.0520036579355017)
      (setq C2      0.0057356975664156)
      (setq C3      0.0000001057367829)
      (setq Rd 3022600.0000000000000000)
      (setq R1 444500000.0000000000000000)
      (setq Rl1     61.6640193456665950)
      (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
```

```
;
;Desired Frequency                       =          116000000.0000000000000000
;Desired Amplification                   =           20471519.6940529350000000
;Initial Result 1 Amplitude              =            1020167.3008604913000000
;Secondary Result 2 Amplitude            =            1873279.3960501046000000
;Computed Ac1
;(Component Amplification Factor)         =                  0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                      =                  1.8362472453979166
;Sign 1 (sign of Result 1)                =                 -1.0000000000000000
;Sign 2 (sign of Result 2)                =                 -1.0000000000000000
;L1                                       =                  0.0005778500000000
;C1                                       =                  0.0511109078624413
;C2                                       =                  0.0056372324848281
;C3                                       =                  0.0000001057367829
;Rd                                       =            3022600.0000000000000000
;R1                                       =          444500000.0000000000000000
;R11                                      =                 61.6640193456665950
;
;

    (setq count    116.0000000000000000)
    (setq DesFreq 116000000.0000000000000000)
    (setq DesAmp 20471519.6940529350000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873279.3960501046000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp    1.8362472453979166)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.0511109078624413)
    (setq C2      0.0056372324848281)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq R11     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                       =          117000000.0000000000000000
;Desired Amplification                   =         -108856830.6264149700000000
;Initial Result 1 Amplitude              =            1020167.3008604913000000
;Secondary Result 2 Amplitude            =            1873279.8145571530000000
;Computed Ac1
;(Component Amplification Factor)         =                  0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                      =                  1.8362476556316576
;Sign 1 (sign of Result 1)                =                 -1.0000000000000000
;Sign 2 (sign of Result 2)                =                 -0.9999999999999999
;L1                                       =                  0.0005778500000000
;C1                                       =                  0.0502409508508299
;C2                                       =                  0.0055412813438415
;C3                                       =                  0.0000001057367829
;Rd                                       =            3022600.0000000000000000
;R1                                       =          444500000.0000000000000000
;R11                                      =                 61.6640193456665950
```

```
;
;
    (setq count    117.0000000000000000)
    (setq DesFreq 117000000.0000000000000000)
    (setq DesAmp -108856830.6264149700000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873279.8145571530000000)
    (setq CompAc1    0.4445000000000000)
    (setq CheckAmp    1.8362476556316576)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -0.9999999999999999)
    (setq L1    0.0005778500000000)
    (setq C1    0.0502409508508299)
    (setq C2    0.0055412813438415)
    (setq C3    0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1    61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                       =           118000000.0000000000000000
;Desired Amplification                   =           413003041.7629670500000000
;Initial Result 1 Amplitude              =             1020167.3008604913000000
;Secondary Result 2 Amplitude            =             1873280.2231835804000000
;Computed Ac1
;(Component Amplification Factor)         =                   0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                     =                   1.8362480561801040
;Sign 1 (sign of Result 1)               =                  -1.0000000000000000
;Sign 2 (sign of Result 2)               =                  -1.0000000000000000
;L1                                      =                   0.0005778500000000
;C1                                      =                   0.0493930175378490
;C2                                      =                   0.0054477592872628
;C3                                      =                   0.0000001057367829
;Rd                                      =             3022600.0000000000000000
;R1                                      =           444500000.0000000000000000
;Rl1                                     =                  61.6640193456665950
;
;
    (setq count    118.0000000000000000)
    (setq DesFreq 118000000.0000000000000000)
    (setq DesAmp 413003041.7629670500000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873280.2231835804000000)
    (setq CompAc1    0.4445000000000000)
    (setq CheckAmp    1.8362480561801040)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1    0.0005778500000000)
    (setq C1    0.0493930175378490)
    (setq C2    0.0054477592872628)
    (setq C3    0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1    61.6640193456665950)
```

```
      (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                        =            119000000.0000000000000000
;Desired Amplification                    =          -1191480191.8497767000000000
;Initial Result 1 Amplitude               =               1020167.3008604913000000
;Secondary Result 2 Amplitude             =               1873280.6222753101000000
;Computed Ac1
;(Component Amplification Factor)          =                     0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                      =                     1.8362484473823406
;Sign 1 (sign of Result 1)                =                    -1.0000000000000000
;Sign 2 (sign of Result 2)                =                    -1.0000000000000000
;L1                                       =                     0.0005778500000000
;C1                                       =                     0.0485663707504421
;C2                                       =                     0.0053565850092399
;C3                                       =                     0.0000001057367829
;Rd                                       =               3022600.0000000000000000
;R1                                       =             444500000.0000000000000000
;R11                                      =                    61.6640193456665950
;
;
      (setq count    119.0000000000000000)
      (setq DesFreq 119000000.0000000000000000)
      (setq DesAmp -1191480191.8497767000000000)
      (setq Init1Amp 1020167.3008604913000000)
      (setq Sec2Amp 1873280.6222753101000000)
      (setq CompAc1     0.4445000000000000)
      (setq CheckAmp       1.8362484473823406)
      (setq Sign1     -1.0000000000000000)
      (setq Sign2     -1.0000000000000000)
      (setq L1      0.0005778500000000)
      (setq C1      0.0485663707504421)
      (setq C2      0.0053565850092399)
      (setq C3      0.0000001057367829)
      (setq Rd 3022600.0000000000000000)
      (setq R1 444500000.0000000000000000)
      (setq R11      61.6640193456665950)
      (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                        =            120000000.0000000000000000
;Desired Amplification                    =           2706805014.3327537000000000
;Initial Result 1 Amplitude               =               1020167.3008604913000000
;Secondary Result 2 Amplitude             =               1873281.0115309742000000
;Computed Ac1
;(Component Amplification Factor)          =                     0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                      =                     1.8362488289429568
;Sign 1 (sign of Result 1)                =                    -1.0000000000000000
;Sign 2 (sign of Result 2)                =                    -0.9999999999999999
;L1                                       =                     0.0005778500000000
;C1                                       =                     0.0477603039025701
;C2                                       =                     0.0052676805774894
;C3                                       =                     0.0000001057367829
```

```
;Rd                                =           3022600.0000000000000000
;R1                                =         444500000.0000000000000000
;Rll                               =                61.6640193456665950
;
;
    (setq count    120.0000000000000000)
    (setq DesFreq 120000000.0000000000000000)
    (setq DesAmp 2706805014.3327537000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873281.0115309742000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp     1.8362488289429568)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -0.9999999999999999)
    (setq L1      0.0005778500000000)
    (setq C1      0.0477603039025701)
    (setq C2      0.0052676805774894)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rll      61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rll)
;
;
;Desired Frequency                 =       121000000.0000000000000000
;Desired Amplification             =     -4928327973.4772263000000000
;Initial Result 1 Amplitude        =         1020167.3008604913000000
;Secondary Result 2 Amplitude      =         1873281.3905669525000000
;Computed Ac1
;(Component Amplification Factor)   =               0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)               =               1.8362492004859166
;Sign 1 (sign of Result 1)         =              -1.0000000000000000
;Sign 2 (sign of Result 2)         =              -1.0000000000000000
;L1                                =               0.0005778500000000
;C1                                =               0.0469741394848036
;C2                                =               0.0051809712667063
;C3                                =               0.0000001057367829
;Rd                                =         3022600.0000000000000000
;R1                                =       444500000.0000000000000000
;Rll                               =              61.6640193456665950
;
;
    (setq count    121.0000000000000000)
    (setq DesFreq 121000000.0000000000000000)
    (setq DesAmp -4928327973.4772263000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873281.3905669525000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp     1.8362492004859166)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.0469741394848036)
    (setq C2      0.0051809712667063)
    (setq C3      0.0000001057367829)
```

```
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1    61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =        122000000.0000000000000000
;Desired Amplification                =       7210175937.9372339000000000
;Initial Result 1 Amplitude           =          1020167.3008604913000000
;Secondary Result 2 Amplitude         =          1873281.7595423751000000
;Computed Ac1
;(Component Amplification Factor)      =                0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =                1.8362495621672037
;Sign 1 (sign of Result 1)            =               -1.0000000000000000
;Sign 2 (sign of Result 2)            =               -1.0000000000000000
;L1                                   =                0.0005778500000000
;C1                                   =                0.0462072276402184
;C2                                   =                0.0050963854014947
;C3                                   =                0.0000001057367829
;Rd                                   =        3022600.0000000000000000
;R1                                   =      444500000.0000000000000000
;Rl1                                  =               61.6640193456665950
;
;
    (setq count   122.0000000000000000)
    (setq DesFreq 122000000.0000000000000000)
    (setq DesAmp 7210175937.9372339000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873281.7595423751000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp    1.8362495621672037)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.0462072276402184)
    (setq C2      0.0050963854014947)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1    61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =        123000000.0000000000000000
;Desired Amplification                =      -8325313604.6003208000000000
;Initial Result 1 Amplitude           =          1020167.3008604913000000
;Secondary Result 2 Amplitude         =          1873282.1192951242000000
;Computed Ac1
;(Component Amplification Factor)      =                0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =                1.8362499148081370
;Sign 1 (sign of Result 1)            =               -1.0000000000000000
;Sign 2 (sign of Result 2)            =               -1.0000000000000000
;L1                                   =                0.0005778500000000
```

```
;C1                                     =                0.0454589448210067
;C2                                     =                0.0050138542081993
;C3                                     =                0.0000001057367829
;Rd                                     =        3022600.0000000000000000
;R1                                     =      444500000.0000000000000000
;Rl1                                    =               61.6640193456665950
;
;
     (setq count   123.0000000000000000)
     (setq DesFreq 123000000.0000000000000000)
     (setq DesAmp -8325313604.6003208000000000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873282.1192951242000000)
     (setq CompAc1     0.4445000000000000)
     (setq CheckAmp     1.8362499148081370)
     (setq Sign1    -1.0000000000000000)
     (setq Sign2    -1.0000000000000000)
     (setq L1      0.0005778500000000)
     (setq C1      0.0454589448210067)
     (setq C2      0.0050138542081993)
     (setq C3      0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq Rl1     61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                      =      124000000.0000000000000000
;Desired Amplification                  =     7101657913.3287544000000000
;Initial Result 1 Amplitude             =        1020167.3008604913000000
;Secondary Result 2 Amplitude           =        1873282.4708698101000000
;Computed Ac1
;(Component Amplification Factor)        =              0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =              1.8362502594326762
;Sign 1 (sign of Result 1)              =             -1.0000000000000000
;Sign 2 (sign of Result 2)              =             -0.9999999999999999
;L1                                     =              0.0005778500000000
;C1                                     =              0.0447286925206172
;C2                                     =              0.0049333116750681
;C3                                     =              0.0000001057367829
;Rd                                     =        3022600.0000000000000000
;R1                                     =      444500000.0000000000000000
;Rl1                                    =               61.6640193456665950
;
;
     (setq count   124.0000000000000000)
     (setq DesFreq 124000000.0000000000000000)
     (setq DesAmp 7101657913.3287544000000000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873282.4708698101000000)
     (setq CompAc1     0.4445000000000000)
     (setq CheckAmp     1.8362502594326762)
     (setq Sign1    -1.0000000000000000)
     (setq Sign2    -0.9999999999999999)
     (setq L1      0.0005778500000000)
```

```
    (setq C1      0.0447286925206172)
    (setq C2      0.0049333116750681)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq R11     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;
;Desired Frequency                     =          125000000.0000000000000000
;Desired Amplification                 =        -3345110063.4097857000000000
;Initial Result 1 Amplitude            =            1020167.3008604913000000
;Secondary Result 2 Amplitude          =            1873282.8148533276000000
;Computed Ac1
;(Component Amplification Factor)       =                  0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                   =                  1.8362505966161138
;Sign 1 (sign of Result 1)             =                 -1.0000000000000000
;Sign 2 (sign of Result 2)             =                 -1.0000000000000000
;L1                                    =                  0.0005778500000000
;C1                                    =                  0.0440158960766087
;C2                                    =                  0.0048546944202142
;C3                                    =                  0.0000001057367829
;Rd                                    =            3022600.0000000000000000
;R1                                    =          444500000.0000000000000000
;R11                                   =                 61.6640193456665950
;
;
    (setq count    125.0000000000000000)
    (setq DesFreq 125000000.0000000000000000)
    (setq DesAmp -3345110063.4097857000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873282.8148533276000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp    1.8362505966161138)
    (setq Sign1      -1.0000000000000000)
    (setq Sign2      -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.0440158960766087)
    (setq C2      0.0048546944202142)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq R11     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                     =          126000000.0000000000000000
;Desired Amplification                 =        -1734872427.1921437000000000
;Initial Result 1 Amplitude            =            1020167.3008604913000000
;Secondary Result 2 Amplitude          =            1873283.1511027613000000
;Computed Ac1
;(Component Amplification Factor)       =                  0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                   =                  1.8362509262183599
```

```
;Sign 1 (sign of Result 1)              =           -1.0000000000000000
;Sign 2 (sign of Result 2)              =           -1.0000000000000000
;L1                                     =            0.0005778500000000
;C1                                     =            0.0433200035397462
;C2                                     =            0.0047779415668838
;C3                                     =            0.0000001057367829
;Rd                                     =      3022600.0000000000000000
;R1                                     =    444500000.0000000000000000
;Rl1                                    =           61.6640193456665950
;
;
     (setq count    126.0000000000000000)
     (setq DesFreq 126000000.0000000000000000)
     (setq DesAmp -1734872427.1921437000000000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873283.1511027613000000)
     (setq CompAc1     0.4445000000000000)
     (setq CheckAmp      1.8362509262183599)
     (setq Sign1     -1.0000000000000000)
     (setq Sign2     -1.0000000000000000)
     (setq L1      0.0005778500000000)
     (setq C1      0.0433200035397462)
     (setq C2      0.0047779415668838)
     (setq C3      0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq Rl1     61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                      =      127000000.0000000000000000
;Desired Amplification                  =     6119135781.2577982000000000
;Initial Result 1 Amplitude             =        1020167.3008604913000000
;Secondary Result 2 Amplitude           =        1873283.4791053720000000
;Computed Ac1
;(Component Amplification Factor)        =              0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =              1.8362512477368114
;Sign 1 (sign of Result 1)              =             -1.0000000000000000
;Sign 2 (sign of Result 2)              =             -1.0000000000000000
;L1                                     =              0.0005778500000000
;C1                                     =              0.0426404846051838
;C2                                     =              0.0047029946255717
;C3                                     =              0.0000001057367829
;Rd                                     =        3022600.0000000000000000
;R1                                     =      444500000.0000000000000000
;Rl1                                    =             61.6640193456665950
;
;
     (setq count    127.0000000000000000)
     (setq DesFreq 127000000.0000000000000000)
     (setq DesAmp 6119135781.2577982000000000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873283.4791053720000000)
     (setq CompAc1     0.4445000000000000)
     (setq CheckAmp      1.8362512477368114)
```

```
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.0426404846051838)
    (setq C2      0.0047029946255717)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                          =              128000000.0000000000000000
;Desired Amplification                      =           -8219407122.8507109000000000
;Initial Result 1 Amplitude                 =                1020167.3008604913000000
;Secondary Result 2 Amplitude               =                1873283.7986545858000000
;Computed Ac1
;(Component Amplification Factor)            =                      0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                        =                      1.8362515609689778
;Sign 1 (sign of Result 1)                  =                     -1.0000000000000000
;Sign 2 (sign of Result 2)                  =                     -1.0000000000000000
;L1                                         =                      0.0005778500000000
;C1                                         =                      0.0419768296018683
;C2                                         =                      0.0046297973825590
;C3                                         =                      0.0000001057367829
;Rd                                         =                3022600.0000000000000000
;R1                                         =              444500000.0000000000000000
;Rl1                                        =                     61.6640193456665950
;
;
    (setq count   128.0000000000000000)
    (setq DesFreq 128000000.0000000000000000)
    (setq DesAmp -8219407122.8507109000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873283.7986545858000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp      1.8362515609689778)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)  .
    (setq C1      0.0419768296018683)
    (setq C2      0.0046297973825590)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                          =              129000000.0000000000000000
;Desired Amplification                      =            7770883956.6994219000000000
;Initial Result 1 Amplitude                 =                1020167.3008604913000000
;Secondary Result 2 Amplitude               =                1873284.1102479945000000
;Computed Ac1
```

```
;(Component Amplification Factor)       =                0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =                1.8362518664026144
;Sign 1 (sign of Result 1)              =               -1.0000000000000000
;Sign 2 (sign of Result 2)              =               -1.0000000000000000
;L1                                     =                0.0005778500000000
;C1                                     =                0.0413285485365669
;C2                                     =                0.0045582957944743
;C3                                     =                0.0000001057367829
;Rd                                     =          3022600.0000000000000000
;R1                                     =        444500000.0000000000000000
;R11                                    =               61.6640193456665950
;
;
      (setq count   129.0000000000000000)
      (setq DesFreq 129000000.0000000000000000)
      (setq DesAmp 7770883956.6994219000000000)
      (setq Init1Amp 1020167.3008604913000000)
      (setq Sec2Amp 1873284.1102479945000000)
      (setq CompAc1     0.4445000000000000)
      (setq CheckAmp    1.8362518664026144)
      (setq Sign1     -1.0000000000000000)
      (setq Sign2     -1.0000000000000000)
      (setq L1      0.0005778500000000)
      (setq C1      0.0413285485365669)
      (setq C2      0.0045582957944743)
      (setq C3      0.0000001057367829)
      (setq Rd 3022600.0000000000000000)
      (setq R1 444500000.0000000000000000)
      (setq R11     61.6640193456665950)
      (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                      =        130000000.0000000000000000
;Desired Amplification                  =      -5720214174.7583714000000000
;Initial Result 1 Amplitude             =          1020167.3008604913000000
;Secondary Result 2 Amplitude           =          1873284.4148578115000000
;Computed Ac1
;(Component Amplification Factor)       =                0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =                1.8362521649907153
;Sign 1 (sign of Result 1)              =               -1.0000000000000000
;Sign 2 (sign of Result 2)              =               -1.0000000000000000
;L1                                     =                0.0005778500000000
;C1                                     =                0.0406951701891722
;C2                                     =                0.0044884378885116
;C3                                     =                0.0000001057367829
;Rd                                     =          3022600.0000000000000000
;R1                                     =        444500000.0000000000000000
;R11                                    =               61.6640193456665950
;
;
      (setq count   130.0000000000000000)
      (setq DesFreq 130000000.0000000000000000)
      (setq DesAmp -5720214174.7583714000000000)
      (setq Init1Amp 1020167.3008604913000000)
```

```
    (setq Sec2Amp 1873284.4148578115000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp    1.8362521649907153)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1     0.0005778500000000)
    (setq C1     0.0406951701891722)
    (setq C2     0.0044884378885116)
    (setq C3     0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1    61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                  =          131000000.0000000000000000
;Desired Amplification              =         3373303006.0932732000000000
;Initial Result 1 Amplitude         =            1020167.3008604913000000
;Secondary Result 2 Amplitude       =            1873284.7132760021000000
;Computed Ac1
;(Component Amplification Factor)    =                  0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                =                  1.8362524575095898
;Sign 1 (sign of Result 1)          =                 -1.0000000000000000
;Sign 2 (sign of Result 2)          =                 -1.0000000000000000
;L1                                 =                  0.0005778500000000
;C1                                 =                  0.0400762412561628
;C2                                 =                  0.0044201736679591
;C3                                 =                  0.0000001057367829
;Rd                                 =            3022600.0000000000000000
;R1                                 =          444500000.0000000000000000
;Rl1                                =                 61.6640193456665950
;
;
    (setq count    131.0000000000000000)
    (setq DesFreq 131000000.0000000000000000)
    (setq DesAmp 3373303006.0932732000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873284.7132760021000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp    1.8362524575095898)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1     0.0005778500000000)
    (setq C1     0.0400762412561628)
    (setq C2     0.0044201736679591)
    (setq C3     0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1    61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                  =          132000000.0000000000000000
;Desired Amplification              =        -1598408806.7463202000000000
```

```
;Initial Result 1 Amplitude              =          1020167.3008604913000000
;Secondary Result 2 Amplitude            =          1873285.0056103067000000
;Computed Ac1
;(Component Amplification Factor)         =                0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                      =                1.8362527440648484
;Sign 1 (sign of Result 1)               =               -1.0000000000000000
;Sign 2 (sign of Result 2)               =               -1.0000000000000000
;L1                                       =                0.0005778500000000
;C1                                       =                0.0394713255393142
;C2                                       =                0.0043534550227185
;C3                                       =                0.0000001057367829
;Rd                                       =          3022600.0000000000000000
;R1                                       =        444500000.0000000000000000
;R11                                      =               61.6640193456665950
;
;
    (setq count   132.0000000000000000)
    (setq DesFreq 132000000.0000000000000000)
    (setq DesAmp -1598408806.7463202000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873285.0056103067000000)
    (setq CompAc1    0.4445000000000000)
    (setq CheckAmp    1.8362527440648484)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1     0.0005778500000000)
    (setq C1     0.0394713255393142)
    (setq C2     0.0043534550227185)
    (setq C3     0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq R11    61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                        =        133000000.0000000000000000
;Desired Amplification                    =        600868340.6964781300000000
;Initial Result 1 Amplitude               =          1020167.3008604913000000
;Secondary Result 2 Amplitude             =          1873285.2913746422000000
;Computed Ac1
;(Component Amplification Factor)         =                0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                      =                1.8362530241800168
;Sign 1 (sign of Result 1)               =               -1.0000000000000000
;Sign 2 (sign of Result 2)               =               -1.0000000000000000
;L1                                       =                0.0005778500000000
;C1                                       =                0.0388800031769467
;C2                                       =                0.0042882356445162
;C3                                       =                0.0000001057367829
;Rd                                       =          3022600.0000000000000000
;R1                                       =        444500000.0000000000000000
;R11                                      =               61.6640193456665950
;
;
    (setq count   133.0000000000000000)
```

```
    (setq Sec2Amp 1873284.41485781150000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp      1.8362521649907153)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.0406951701891722)
    (setq C2      0.0044884378885116)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq R11     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                       =            131000000.0000000000000000
;Desired Amplification                   =           3373303006.0932732000000000
;Initial Result 1 Amplitude              =              1020167.3008604913000000
;Secondary Result 2 Amplitude            =              1873284.7132760021000000
;Computed Ac1
;(Component Amplification Factor)         =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                      =                    1.8362524575095898
;Sign 1 (sign of Result 1)               =                   -1.0000000000000000
;Sign 2 (sign of Result 2)               =                   -1.0000000000000000
;L1                                       =                    0.0005778500000000
;C1                                       =                    0.0400762412561628
;C2                                       =                    0.0044201736679591
;C3                                       =                    0.0000001057367829
;Rd                                       =              3022600.0000000000000000
;R1                                       =            444500000.0000000000000000
;R11                                      =                   61.6640193456665950
;
;
    (setq count   131.0000000000000000)
    (setq DesFreq 131000000.0000000000000000)
    (setq DesAmp 3373303006.0932732000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873284.7132760021000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp      1.8362524575095898)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.0400762412561628)
    (setq C2      0.0044201736679591)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq R11     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                       =            132000000.0000000000000000
;Desired Amplification                   =           -1598408806.7463202000000000
```

```
;Initial Result 1 Amplitude          =            1020167.3008604913000000
;Secondary Result 2 Amplitude        =            1873285.0056103067000000
;Computed Ac1
;(Component Amplification Factor)     =                  0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                 =                  1.8362527440648484
;Sign 1 (sign of Result 1)           =                 -1.0000000000000000
;Sign 2 (sign of Result 2)           =                 -1.0000000000000000
;L1                                   =                  0.0005778500000000
;C1                                   =                  0.0394713255393142
;C2                                   =                  0.0043534550227185
;C3                                   =                  0.0000001057367829
;Rd                                   =            3022600.0000000000000000
;R1                                   =          444500000.0000000000000000
;Rll                                  =                 61.6640193456665950
;
;
     (setq count    132.0000000000000000)
     (setq DesFreq 132000000.0000000000000000)
     (setq DesAmp -1598408806.7463202000000000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873285.0056103067000000)
     (setq CompAc1      0.4445000000000000)
     (setq CheckAmp     1.8362527440648484)
     (setq Sign1     -1.0000000000000000)
     (setq Sign2     -1.0000000000000000)
     (setq L1       0.0005778500000000)
     (setq C1       0.0394713255393142)
     (setq C2       0.0043534550227185)
     (setq C3       0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq Rll      61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rll)
;
;
;Desired Frequency                    =          133000000.0000000000000000
;Desired Amplification                =          600868340.6964781300000000
;Initial Result 1 Amplitude           =            1020167.3008604913000000
;Secondary Result 2 Amplitude         =            1873285.2913746422000000
;Computed Ac1
;(Component Amplification Factor)      =                  0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =                  1.8362530241800168
;Sign 1 (sign of Result 1)            =                 -1.0000000000000000
;Sign 2 (sign of Result 2)            =                 -1.0000000000000000
;L1                                   =                  0.0005778500000000
;C1                                   =                  0.0388800031769467
;C2                                   =                  0.0042882356445162
;C3                                   =                  0.0000001057367829
;Rd                                   =            3022600.0000000000000000
;R1                                   =          444500000.0000000000000000
;Rll                                  =                 61.6640193456665950
;
;
     (setq count    133.0000000000000000)
```

```
    (setq DesFreq 133000000.0000000000000000)
    (setq DesAmp 600868340.6964781300000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873285.2913746422000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp      1.8362530241800168)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.0388800031769467)
    (setq C2      0.0042882356445162)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =              134000000.0000000000000000
;Desired Amplification                =             -174144123.0058547600000000
;Initial Result 1 Amplitude           =                1020167.3008604913000000
;Secondary Result 2 Amplitude         =                1873285.5700947319000000
;Computed Ac1
; (Component Amplification Factor)     =                      0.4445000000000000
;Check of Amplification Factor Desired
; (Result 2/Result 1)                 =                      1.8362532973901946
;Sign 1 (sign of Result 1)            =                     -1.0000000000000000
;Sign 2 (sign of Result 2)            =                     -1.0000000000000000
;L1                                   =                      0.0005778500000000
;C1                                   =                      0.0383018699151821
;C2                                   =                      0.0042244709465274
;C3                                   =                      0.0000001057367829
;Rd                                   =                3022600.0000000000000000
;R1                                   =              444500000.0000000000000000
;Rl1                                  =                     61.6640193456665950
;
;
    (setq count    134.0000000000000000)
    (setq DesFreq 134000000.0000000000000000)
    (setq DesAmp -174144123.0058547600000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873285.5700947319000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp      1.8362532973901946)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.0383018699151821)
    (setq C2      0.0042244709465274)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
```

```
;
;Desired Frequency                      =            135000000.0000000000000000
;Desired Amplification                  =             36933456.1985226650000000
;Initial Result 1 Amplitude             =              1020167.3008604913000000
;Secondary Result 2 Amplitude           =              1873285.8418967221000000
;Computed Ac1
;(Component Amplification Factor)        =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =                    1.8362535638190343
;Sign 1 (sign of Result 1)              =                   -1.0000000000000000
;Sign 2 (sign of Result 2)              =                   -1.0000000000000000
;L1                                     =                    0.0005778500000000
;C1                                     =                    0.0377365364168456
;C2                                     =                    0.0041621179871521
;C3                                     =                    0.0000001057367829
;Rd                                     =              3022600.0000000000000000
;R1                                     =            444500000.0000000000000000
;Rl1                                    =                   61.6640193456665950
;
;
    (setq count    135.0000000000000000)
    (setq DesFreq 135000000.0000000000000000)
    (setq DesAmp 36933456.1985226650000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873285.8418967221000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp    1.8362535638190343)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.0377365364168456)
    (setq C2      0.0041621179871521)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                      =            136000000.0000000000000000
;Desired Amplification                  =             -5190042.0126129119000000
;Initial Result 1 Amplitude             =              1020167.3008604913000000
;Secondary Result 2 Amplitude           =              1873286.1075614970000000
;Computed Ac1
;(Component Amplification Factor)        =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =                    1.8362538242319830
;Sign 1 (sign of Result 1)              =                   -1.0000000000000000
;Sign 2 (sign of Result 2)              =                   -1.0000000000000000
;L1                                     =                    0.0005778500000000
;C1                                     =                    0.0371836276058072
;C2                                     =                    0.0041011353976993
;C3                                     =                    0.0000001057367829
;Rd                                     =              3022600.0000000000000000
;R1                                     =            444500000.0000000000000000
;Rl1                                    =                   61.6640193456665950
```

```
;
;
    (setq count    136.0000000000000000)
    (setq DesFreq 136000000.0000000000000000)
    (setq DesAmp -5190042.0126129119000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873286.1075614970000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp     1.8362538242319830)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.0371836276058072)
    (setq C2      0.0041011353976993)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1      61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                       =         137000000.0000000000000000
;Desired Amplification                   =            382205.0563949682400000
;Initial Result 1 Amplitude              =           1020167.3008604913000000
;Secondary Result 2 Amplitude            =           1873286.3679972121000000
;Computed Ac1
;(Component Amplification Factor)         =                 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                     =                 1.8362540795192430
;Sign 1 (sign of Result 1)               =                -1.0000000000000000
;Sign 2 (sign of Result 2)               =                -1.0000000000000000
;L1                                      =                 0.0005778500000000
;C1                                      =                 0.0366427820447019
;C2                                      =                 0.0040414833137539
;C3                                      =                 0.0000001057367829
;Rd                                      =           3022600.0000000000000000
;R1                                      =         444500000.0000000000000000
;Rl1                                     =                61.6640193456665950
;
;
    (setq count    137.0000000000000000)
    (setq DesFreq 137000000.0000000000000000)
    (setq DesAmp 382205.0563949682400000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873286.3679972121000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp     1.8362540795192430)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.0366427820447019)
    (setq C2      0.0040414833137539)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1      61.6640193456665950)
```

```
)
        (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                    =           138000000.0000000000000000
;Desired Amplification                =               -3956.3743588161046000
;Initial Result 1 Amplitude           =             1020167.3008604913000000
;Secondary Result 2 Amplitude         =             1873286.6235941260000000
;Computed Ac1
;(Component Amplification Factor)      =                   0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =                   1.8362543300633585
;Sign 1 (sign of Result 1)            =                  -1.0000000000000000
;Sign 2 (sign of Result 2)            =                  -1.0000000000000000
;L1                                   =                   0.0005778500000000
;C1                                   =                   0.0361136513440984
;C2                                   =                   0.0039831233100109
;C3                                   =                   0.0000001057367829
;Rd                                   =             3022600.0000000000000000
;R1                                   =           444500000.0000000000000000
;R11                                  =                  61.6640193456665950
;
;
        (setq count   138.0000000000000000)
        (setq DesFreq 138000000.0000000000000000)
        (setq DesAmp -3956.3743588161046000)
        (setq Init1Amp 1020167.3008604913000000)
        (setq Sec2Amp 1873286.6235941260000000)
        (setq CompAc1    0.4445000000000000)
        (setq CheckAmp   1.8362543300633585)
        (setq Sign1   -1.0000000000000000)
        (setq Sign2   -1.0000000000000000)
        (setq L1     0.0005778500000000)
        (setq C1     0.0361136513440984)
        (setq C2     0.0039831233100109)
        (setq C3     0.0000001057367829)
        (setq Rd 3022600.0000000000000000)
        (setq R1 444500000.0000000000000000)
        (setq R11    61.6640193456665950)
        (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                    =           139000000.0000000000000000
;Desired Amplification                =                -198.5487179407760200
;Initial Result 1 Amplitude           =             1020167.3008604913000000
;Secondary Result 2 Amplitude         =             1873286.8740292802000000
;Computed Ac1
;(Component Amplification Factor)      =                   0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =                   1.8362545755477548
;Sign 1 (sign of Result 1)            =                  -1.0000000000000000
;Sign 2 (sign of Result 2)            =                  -1.0000000000000000
;L1                                   =                   0.0005778500000000
;C1                                   =                   0.0355958996013152
;C2                                   =                   0.0039260183383803
;C3                                   =                   0.0000001057367829
```

```
;Rd                                         =           3022600.0000000000000000
;R1                                         =         444500000.0000000000000000
;Rl1                                        =                61.6640193456665950
;
;
     (setq count   139.0000000000000000)
     (setq DesFreq 139000000.0000000000000000)
     (setq DesAmp  -198.5487179407760200)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873286.8740292802000000)
     (setq CompAc1     0.4445000000000000)
     (setq CheckAmp    1.8362545755477548)
     (setq Sign1    -1.0000000000000000)
     (setq Sign2    -1.0000000000000000)
     (setq L1      0.0005778500000000)
     (setq C1      0.0355958996013152)
     (setq C2      0.0039260183383803)
     (setq C3      0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq Rl1     61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                          =         140000000.0000000000000000
;Desired Amplification                      =               -21.5615384606760050
;Initial Result 1 Amplitude                 =           1020167.3008604913000000
;Secondary Result 2 Amplitude               =           1873287.1186930351000000
;Computed Ac1
;(Component Amplification Factor)            =                 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                        =                 1.8362548153748448
;Sign 1 (sign of Result 1)                  =                -1.0000000000000000
;Sign 2 (sign of Result 2)                  =                -1.0000000000000000
;L1                                         =                 0.0005778500000000
;C1                                         =                 0.0350892028671944
;C2                                         =                 0.0038701326691759
;C3                                         =                 0.0000001057367829
;Rd                                         =           3022600.0000000000000000
;R1                                         =         444500000.0000000000000000
;Rl1                                        =                61.6640193456665950
;
;
     (setq count   140.0000000000000000)
     (setq DesFreq 140000000.0000000000000000)
     (setq DesAmp  -21.5615384606760050)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873287.1186930351000000)
     (setq CompAc1     0.4445000000000000)
     (setq CheckAmp    1.8362548153748448)
     (setq Sign1    -1.0000000000000000)
     (setq Sign2    -1.0000000000000000)
     (setq L1      0.0005778500000000)
     (setq C1      0.0350892028671944)
     (setq C2      0.0038701326691759)
     (setq C3      0.0000001057367829)
```

```
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1    61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                      =          141000000.0000000000000000
;Desired Amplification                  =                 -3.5743589742160000
;Initial Result 1 Amplitude             =             1020167.3008604913000000
;Secondary Result 2 Amplitude           =             1873287.3573626021000000
;Computed Ac1
;(Component Amplification Factor)        =                  0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =                  1.8362550493262435
;Sign 1 (sign of Result 1)              =                 -1.0000000000000000
;Sign 2 (sign of Result 2)              =                 -1.0000000000000000
;L1                                     =                  0.0005778500000000
;C1                                     =                  0.0345932486392541
;C2                                     =                  0.0038154318352118
;C3                                     =                  0.0000001057367829
;Rd                                     =           3022600.0000000000000000
;R1                                     =         444500000.0000000000000000
;Rl1                                    =                 61.6640193456665950
;
;
    (setq count   141.0000000000000000)
    (setq DesFreq 141000000.0000000000000000)
    (setq DesAmp    -3.5743589742160000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873287.3573626021000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp    1.8362550493262435)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1       0.0005778500000000)
    (setq C1       0.0345932486392541)
    (setq C2       0.0038154318352118)
    (setq C3       0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1    61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                      =          142000000.0000000000000000
;Desired Amplification                  =                 -0.8410256409920001
;Initial Result 1 Amplitude             =             1020167.3008604913000000
;Secondary Result 2 Amplitude           =             1873287.5905305573000000
;Computed Ac1
;(Component Amplification Factor)        =                  0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =                  1.8362552778847898
;Sign 1 (sign of Result 1)              =                 -1.0000000000000000
;Sign 2 (sign of Result 2)              =                 -0.9999999999999999
;L1                                     =                  0.0005778500000000
```

```
;C1                                     =               0.0341077353797367
;C2                         .           =               0.0037618825786474
;C3                                     =               0.0000001057367829
;Rd                                     =          3022600.0000000000000000
;R1                                     =        444500000.0000000000000000
;Rll                                    =               61.6640193456665950
;
;
     (setq count   142.0000000000000000)
     (setq DesFreq 142000000.0000000000000000)
     (setq DesAmp    -0.8410256409920001)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873287.5905305573000000)
     (setq CompAc1      0.4445000000000000)
     (setq CheckAmp     1.8362552778847898)
     (setq Sign1    -1.0000000000000000)
     (setq Sign2    -0.9999999999999999)
     (setq L1       0.0005778500000000)
     (setq C1       0.0341077353797367)
     (setq C2       0.0037618825786474)
     (setq C3       0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq Rll      61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rll)
;
;
;Desired Frequency                      =        143000000.0000000000000000
;Desired Amplification                  =               -0.2384615384520000
;Initial Result 1 Amplitude             =          1020167.3008604913000000
;Secondary Result 2 Amplitude           =          1873287.8190996593000000
;Computed Ac1
; (Component Amplification Factor)       =               0.4445000000000000
;Check of Amplification Factor Desired
; (Result 2/Result 1)                    =               1.8362555019353959
;Sign 1 (sign of Result 1)              =               -1.0000000000000000
;Sign 2 (sign of Result 2)              =               -1.0000000000000000
;L1                                     =               0.0005778500000000
;C1                                     =               0.0336323720571671
;C2                                     =               0.0037094528004228
;C3                                     =               0.0000001057367829
;Rd                                     =          3022600.0000000000000000
;R1                                     =        444500000.0000000000000000
;Rll                                    =               61.6640193456665950
;
;
     (setq count   143.0000000000000000)
     (setq DesFreq 143000000.0000000000000000)
     (setq DesAmp    -0.2384615384520000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873287.8190996593000000)
     (setq CompAc1      0.4445000000000000)
     (setq CheckAmp     1.8362555019353959)
     (setq Sign1    -1.0000000000000000)
     (setq Sign2    -1.0000000000000000)
     (setq L1       0.0005778500000000)
```

```
    (setq C1    0.0336323720571671)
    (setq C2    0.0037094528004228)
    (setq C3    0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rll    61.6640193456665950)
    (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rll)
;
;
;Desired Frequency                 =         144000000.0000000000000000
;Desired Amplification             =                -0.0512820512800000
;Initial Result 1 Amplitude        =           1020167.3008604913000000
;Secondary Result 2 Amplitude      =           1873288.0437125252000000
;Computed Acl
;(Component Amplification Factor)   =                 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)               =                 1.8362557221079749
;Sign 1 (sign of Result 1)         =                -1.0000000000000000
;Sign 2 (sign of Result 2)         =                -1.0000000000000000
;L1                                =                 0.0005778500000000
;C1                                =                 0.0331668777101182
;C2                                =                 0.0036581115121454
;C3                                =                 0.0000001057367829
;Rd                                =           3022600.0000000000000000
;R1                                =         444500000.0000000000000000
;Rll                               =                61.6640193456665950
;
;
    (setq count    144.0000000000000000)
    (setq DesFreq 144000000.0000000000000000)
    (setq DesAmp    -0.0512820512800000)
    (setq InitlAmp 1020167.3008604913000000)
    (setq Sec2Amp 1873288.0437125252000000)
    (setq CompAcl    0.4445000000000000)
    (setq CheckAmp    1.8362557221079749)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1    0.0005778500000000)
    (setq C1    0.0331668777101182)
    (setq C2    0.0036581115121454)
    (setq C3    0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rll    61.6640193456665950)
    (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rll)
;
;
;Desired Frequency                 =         145000000.0000000000000000
;Desired Amplification             =                -0.0307692307680000
;Initial Result 1 Amplitude        =           1020167.3008604913000000
;Secondary Result 2 Amplitude      =           1873288.2643057774000000
;Computed Acl
;(Component Amplification Factor)   =                 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)               =                 1.8362559383404029
```

```
;Sign 1 (sign of Result 1)            =                      -1.0000000000000000
;Sign 2 (sign of Result 2)            =                      -0.9999999999999999
;L1                                   =                       0.0005778500000000
;C1                                   =                       0.0327109810319624
;C2                                   =                       0.0036078287902900
;C3                                   =                       0.0000001057367829
;Rd                                   =                 3022600.0000000000000000
;R1                                   =               444500000.0000000000000000
;Rl1                                  =                      61.6640193456665950
;
;
      (setq count   145.0000000000000000)
      (setq DesFreq 145000000.0000000000000000)
      (setq DesAmp    -0.0307692307680000)
      (setq Init1Amp 1020167.3008604913000000)
      (setq Sec2Amp 1873288.2643057774000000)
      (setq CompAc1    0.4445000000000000)
      (setq CheckAmp    1.8362559383404029)
      (setq Sign1    -1.0000000000000000)
      (setq Sign2    -0.9999999999999999)
      (setq L1     0.0005778500000000)
      (setq C1     0.0327109810319624)
      (setq C2     0.0036078287902900)
      (setq C3     0.0000001057367829)
      (setq Rd 3022600.0000000000000000)
      (setq R1 444500000.0000000000000000)
      (setq Rl1      61.6640193456665950)
      (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =               146000000.0000000000000000
;Desired Amplification                =                       0.0025641025640000
;Initial Result 1 Amplitude           =                 1020167.3008604913000000
;Secondary Result 2 Amplitude         =                 1873288.4802808906000000
;Computed Ac1
; (Component Amplification Factor)     =                       0.4445000000000000
;Check of Amplification Factor Desired
; (Result 2/Result 1)                 =                       1.8362561500459857
;Sign 1 (sign of Result 1)            =                      -1.0000000000000000
;Sign 2 (sign of Result 2)            =                      -0.9999999999999999
;L1                                   =                       0.0005778500000000
;C1                                   =                       0.0322644199754649
;C2                                   =                       0.0035585757325880
;C3                                   =                       0.0000001057367829
;Rd                                   =                 3022600.0000000000000000
;R1                                   =               444500000.0000000000000000
;Rl1                                  =                      61.6640193456665950
;
;
      (setq count   146.0000000000000000)
      (setq DesFreq 146000000.0000000000000000)
      (setq DesAmp     0.0025641025640000)
      (setq Init1Amp 1020167.3008604913000000)
      (setq Sec2Amp 1873288.4802808906000000)
      (setq CompAc1    0.4445000000000000)
      (setq CheckAmp    1.8362561500459857)
```

```
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -0.999999999999999)
    (setq L1       0.0005778500000000)
    (setq C1       0.0322644199754649)
    (setq C2       0.0035585757325880)
    (setq C3       0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq R11      61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                       =          147000000.0000000000000000
;Desired Amplification                   =                  0.0333333333320000
;Initial Result 1 Amplitude              =            1020167.3008604913000000
;Secondary Result 2 Amplitude            =            1873288.6911416696000000
;Computed Ac1
; (Component Amplification Factor)        =                  0.4445000000000000
;Check of Amplification Factor Desired
; (Result 2/Result 1)                     =                  1.8362563567383381
;Sign 1 (sign of Result 1)               =                 -1.0000000000000000
;Sign 2 (sign of Result 2)               =                 -1.0000000000000000
;L1                                       =                  0.0005778500000000
;C1                                       =                  0.0318269413761400
;C2                                       =                  0.0035103244164860
;C3                                       =                  0.0000001057367829
;Rd                                       =           3022600.0000000000000000
;R1                                       =         444500000.0000000000000000
;R11                                      =                 61.6640193456665950
;
;
    (setq count    147.0000000000000000)
    (setq DesFreq 147000000.0000000000000000)
    (setq DesAmp      0.0333333333320000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873288.6911416696000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp    1.8362563567383381)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1       0.0005778500000000)
    (setq C1       0.0318269413761400)
    (setq C2       0.0035103244164860)
    (setq C3       0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq R11      61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                       =          148000000.0000000000000000
;Desired Amplification                   =                 -0.0025641025640000
;Initial Result 1 Amplitude              =            1020167.3008604913000000
;Secondary Result 2 Amplitude            =            1873288.8970379764000000
;Computed Ac1
```

```
;(Component Amplification Factor)          =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                       =                    1.8362565585643587
;Sign 1 (sign of Result 1)                 =                   -1.0000000000000000
;Sign 2 (sign of Result 2)                 =                   -1.0000000000000000
;L1                                        =                    0.0005778500000000
;C1                                        =                    0.0313983005933624
;C2                                        =                    0.0034630478595620
;C3                                        =                    0.0000001057367829
;Rd                                        =              3022600.0000000000000000
;R1                                        =            444500000.0000000000000000
;Rl1                                       =                   61.6640193456665950
;
;
     (setq count   148.0000000000000000)
     (setq DesFreq 148000000.0000000000000000)
     (setq DesAmp    -0.0025641025640000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873288.8970379764000000)
     (setq CompAc1    0.4445000000000000)
     (setq CheckAmp    1.8362565585643587)
     (setq Sign1    -1.0000000000000000)
     (setq Sign2    -1.0000000000000000)
     (setq L1     0.0005778500000000)
     (setq C1     0.0313983005933624)
     (setq C2     0.0034630478595620)
     (setq C3     0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq Rl1    61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                         =            149000000.0000000000000000
;Desired Amplification                     =                   -0.0256410256400000
;Initial Result 1 Amplitude                =              1020167.3008604913000000
;Secondary Result 2 Amplitude              =              1873289.0987377493000000
;Computed Ac1
;(Component Amplification Factor)          =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)         .             =                    1.8362567562768053
;Sign 1 (sign of Result 1)                 =                   -1.0000000000000000
;Sign 2 (sign of Result 2)                 =                   -1.0000000000000000
;L1                                        =                    0.0005778500000000
;C1                                        =                    0.0309782611682812
;C2                                        =                    0.0034167199817957
;C3                                        =                    0.0000001057367829
;Rd                                        =              3022600.0000000000000000
;R1                                        =            444500000.0000000000000000
;Rl1                                       =                   61.6640193456665950
;
;
     (setq count   149.0000000000000000)
     (setq DesFreq 149000000.0000000000000000)
     (setq DesAmp    -0.0256410256400000)
     (setq Init1Amp 1020167.3008604913000000)
```

```
    (setq Sec2Amp 1873289.0987377493000000)  .
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp     1.8362567562768053)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.0309782611682812)
    (setq C2      0.0034167199817957)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                        =        150000000.0000000000000000
;Desired Amplification                    =               -0.0051282051280000
;Initial Result 1 Amplitude               =          1020167.3008604913000000
;Secondary Result 2 Amplitude             =          1873289.2970520568000000
;Computed Ac1
; (Component Amplification Factor)         =                0.4445000000000000
;Check of Amplification Factor Desired
; (Result 2/Result 1)                      =                1.8362569506707123
;Sign 1 (sign of Result 1)                =               -1.0000000000000000
;Sign 2 (sign of Result 2)                =               -0.9999999999999999
;L1                                       =                0.0005778500000000
;C1                                       =                0.0305665944976449
;C2                                       =                0.0033713155695932
;C3                                       =                0.0000001057367829
;Rd                                       =          3022600.0000000000000000
;R1                                       =        444500000.0000000000000000
;Rl1                                      =               61.6640193456665950
;
;
    (setq count    150.0000000000000000)
    (setq DesFreq 150000000.0000000000000000)
    (setq DesAmp     -0.0051282051280000)
    (setq Init1Amp 1020167.3008604913000000)  .
    (setq Sec2Amp 1873289.2970520568000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp     1.8362569506707123)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -0.9999999999999999)
    (setq L1      0.0005778500000000)
    (setq C1      0.0305665944976449)
    (setq C2      0.0033713155695932)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                        =        151000000.0000000000000000
;Desired Amplification                    =               -0.0025641025640000
```

```
;Initial Result 1 Amplitude          =          1020167.3008604913000000
;Secondary Result 2 Amplitude        =          1873289.4922188919000000
;Computed Ac1
;(Component Amplification Factor)     =                0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                 =                1.8362571419793681
;Sign 1 (sign of Result 1)           =               -1.0000000000000000
;Sign 2 (sign of Result 2)           =               -0.9999999999999999
;L1                                   =                0.0005778500000000
;C1                                   =                0.0301630795226968
;C2                                   =                0.0033268102414739
;C3                                   =                0.0000001057367829
;Rd                                   =          3022600.0000000000000000
;R1                                   =        444500000.0000000000000000
;Rl1                                  =               61.6640193456665950
;
;
    (setq count    151.0000000000000000)
    (setq DesFreq 151000000.0000000000000000)
    (setq DesAmp    -0.0025641025640000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873289.4922188919000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp    1.8362571419793681)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -0.9999999999999999)
    (setq L1      0.0005778500000000)
    (setq C1      0.0301630795226968)
    (setq C2      0.0033268102414739)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =        152000000.0000000000000000
;Desired Amplification                =               -0.0179487179480000
;Initial Result 1 Amplitude           =          1020167.3008604913000000
;Secondary Result 2 Amplitude         =          1873289.6837876844000000
;Computed Ac1
;(Component Amplification Factor)      =                0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =                1.8362573297611098
;Sign 1 (sign of Result 1)            =               -1.0000000000000000
;Sign 2 (sign of Result 2)            =               -0.9999999999999999
;L1                                   =                0.0005778500000000
;C1                                   =                0.0297675024323498
;C2                                   =                0.0032831804153327
;C3                                   =                0.0000001057367829
;Rd                                   =          3022600.0000000000000000
;R1                                   =        444500000.0000000000000000
;Rl1                                  =               61.6640193456665950
;
;
    (setq count    152.0000000000000000)
```

```
    (setq DesFreq 152000000.0000000000000000)
    (setq DesAmp    -0.0179487179480000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873289.6837876844000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp     1.8362573297611098)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -0.9999999999999999)
    (setq L1      0.0005778500000000)
    (setq C1      0.0297675024323498)
    (setq C2      0.0032831804153327)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =            153000000.0000000000000000
;Desired Amplification                =                   -0.0230769230760000
;Initial Result 1 Amplitude           =              1020167.3008604913000000
;Secondary Result 2 Amplitude         =              1873289.8711062020000000
;Computed Ac1
; (Component Amplification Factor)     =                    0.4445000000000000
;Check of Amplification Factor Desired
; (Result 2/Result 1)                 =                    1.8362575133765986
;Sign 1 (sign of Result 1)            =                   -1.0000000000000000
;Sign 2 (sign of Result 2)            =                   -1.0000000000000000
;L1                                   =                    0.0005778500000000
;C1                                   =                    0.0293796563798971
;C2                                   =                    0.0032404032771945
;C3                                   =                    0.0000001057367829
;Rd                                   =              3022600.0000000000000000
;R1                                   =            444500000.0000000000000000
;Rl1                                  =                   61.6640193456665950
;
;
    (setq count    153.0000000000000000)
    (setq DesFreq 153000000.0000000000000000)
    (setq DesAmp    -0.0230769230760000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873289.8711062020000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp     1.8362575133765986)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.0293796563798971)
    (setq C2      0.0032404032771945)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
```

```
;
;Desired Frequency                       =            154000000.0000000000000000
;Desired Amplification                   =                   -0.0051282051280000
;Initial Result 1 Amplitude              =              1020167.3008604913000000
;Secondary Result 2 Amplitude            =              1873290.0539818199000000
;Computed Ac1
;(Component Amplification Factor)         =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                     =                    1.8362576926370178
;Sign 1 (sign of Result 1)               =                   -1.0000000000000000
;Sign 2 (sign of Result 2)               =                   -1.0000000000000000
;L1                                      =                    0.0005778500000000
;C1                                      =                    0.0289993412125573
;C2                                      =                    0.0031984567513850
;C3                                      =                    0.0000001057367829
;Rd                                      =              3022600.0000000000000000
;R1                                      =            444500000.0000000000000000
;Rl1                                     =                   61.6640193456665950
;
;
     (setq count   154.0000000000000000)
     (setq DesFreq 154000000.0000000000000000)
     (setq DesAmp    -0.0051282051280000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873290.0539818199000000)
     (setq CompAc1    0.4445000000000000)
     (setq CheckAmp    1.8362576926370178)
     (setq Sign1    -1.0000000000000000)
     (setq Sign2    -1.0000000000000000)
     (setq L1      0.0005778500000000)
     (setq C1      0.0289993412125573)
     (setq C2      0.0031984567513850)
     (setq C3      0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq Rl1     61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                       =            155000000.0000000000000000
;Desired Amplification                   =                    0.0128205128200000
;Initial Result 1 Amplitude              =              1020167.3008604913000000
;Secondary Result 2 Amplitude            =              1873290.2329358093000000
;Computed Ac1
;(Component Amplification Factor)         =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                     =                    1.8362578680533335
;Sign 1 (sign of Result 1)               =                   -1.0000000000000000
;Sign 2 (sign of Result 2)               =                   -1.0000000000000000
;L1                                      =                    0.0005778500000000
;C1                                      =                    0.0286263632131950
;C2                                      =                    0.0031573194720436
;C3                                      =                    0.0000001057367829
;Rd                                      =              3022600.0000000000000000
;R1                                      =            444500000.0000000000000000
;Rl1                                     =                   61.6640193456665950
```

```
;
;
    (setq count   155.0000000000000000)
    (setq DesFreq 155000000.0000000000000000)
    (setq DesAmp     0.0128205128200000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873290.2329358093000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp    1.8362578680533335)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.0286263632131950)
    (setq C2      0.0031573194720436)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;
;Desired Frequency                    =           156000000.0000000000000000
;Desired Amplification                =                   0.0000000000000000
;Initial Result 1 Amplitude           =             1020167.3008604913000000
;Secondary Result 2 Amplitude         =             1873290.4088271470000000
;Computed Ac1
;(Component Amplification Factor)      =                   0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =                   1.8362580404675419
;Sign 1 (sign of Result 1)            =                  -1.0000000000000000
;Sign 2 (sign of Result 2)            =                  -1.0000000000000000
;L1                                   =                   0.0005778500000000
;C1                                   =                   0.0282605348535918
;C2                                   =                   0.0031169707559109
;C3                                   =                   0.0000001057367829
;Rd                                   =             3022600.0000000000000000
;R1                                   =           444500000.0000000000000000
;Rl1                                  =                  61.6640193456665950
;
;
    (setq count   156.0000000000000000)
    (setq DesFreq 156000000.0000000000000000)
    (setq DesAmp     0.0000000000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873290.4088271470000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp    1.8362580404675419)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.0282605348535918)
    (setq C2      0.0031169707559109)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
```

```
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                          =           157000000.0000000000000000
;Desired Amplification                      =                   0.0179487179480000
;Initial Result 1 Amplitude                 =             1020167.3008604913000000
;Secondary Result 2 Amplitude               =             1873290.5821767487000000
;Computed Ac1
;(Component Amplification Factor)            =                   0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                        =                   1.8362582103902609
;Sign 1 (sign of Result 1)                  =                  -1.0000000000000000
;Sign 2 (sign of Result 2)                  =                  -0.9999999999999999
;L1                                         =                   0.0005778500000000
;C1                                         =                   0.0279016745586843
;C2                                         =                   0.0030773905763255
;C3                                         =                   0.0000001057367829
;Rd                                         =             3022600.0000000000000000
;R1                                         =           444500000.0000000000000000
;Rl1                                        =                  61.6640193456665950
;
;
     (setq count   157.0000000000000000)
     (setq DesFreq 157000000.0000000000000000)
     (setq DesAmp       0.0179487179480000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873290.5821767487000000)
     (setq CompAc1      0.4445000000000000)
     (setq CheckAmp     1.8362582103902609)
     (setq Sign1    -1.0000000000000000)
     (setq Sign2    -0.9999999999999999)
     (setq L1       0.0005778500000000)
     (setq C1       0.0279016745586843)
     (setq C2       0.0030773905763255)
     (setq C3       0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq Rl1      61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                          =           158000000.0000000000000000
;Desired Amplification                      =                   0.0358974358960000
;Initial Result 1 Amplitude                 =             1020167.3008604913000000
;Secondary Result 2 Amplitude               =             1873290.7527864396000000
;Computed Ac1
;(Component Amplification Factor)            =                   0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                        =                   1.8362583776272337
;Sign 1 (sign of Result 1)                  =                  -1.0000000000000000
;Sign 2 (sign of Result 2)                  =                  -1.0000000000000000
;L1                                         =                   0.0005778500000000
;C1                                         =                   0.0275496064812134
;C2                                         =                   0.0030385595383691
;C3                                         =                   0.0000001057367829
```

```
;Rd                                    =            3022600.0000000000000000
;R1                                    =          444500000.0000000000000000
;Rl1                                   =                 61.6640193456665950
;
;
    (setq count    158.0000000000000000)
    (setq DesFreq 158000000.0000000000000000)
    (setq DesAmp      0.0358974358960000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873290.7527864396000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp    1.8362583776272337)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.0275496064812134)
    (setq C2      0.0030385595383691)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                     =          159000000.0000000000000000
;Desired Amplification                 =                 -0.0025641025640000
;Initial Result 1 Amplitude            =            1020167.3008604913000000
;Secondary Result 2 Amplitude          =            1873290.9199878033000000
;Computed Ac1
;(Component Amplification Factor)       =                  0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =                  1.8362585415232568
;Sign 1 (sign of Result 1)             =                 -1.0000000000000000
;Sign 2 (sign of Result 2)             =                 -0.9999999999999999
;L1                                    =                  0.0005778500000000
;C1                                    =                  0.0272041602862628
;C2                                    =                  0.0030004588551025
;C3                                    =                  0.0000001057367829
;Rd                                    =            3022600.0000000000000000
;R1                                    =          444500000.0000000000000000
;Rl1                                   =                 61.6640193456665950
;
;
    (setq count    159.0000000000000000)
    (setq DesFreq 159000000.0000000000000000)
    (setq DesAmp     -0.0025641025640000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873290.9199878033000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp    1.8362585415232568)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -0.9999999999999999)
    (setq L1      0.0005778500000000)
    (setq C1      0.0272041602862628)
    (setq C2      0.0030004588551025)
    (setq C3      0.0000001057367829)
```

```
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1    61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                       =              160000000.0000000000000000
;Desired Amplification                   =                     -0.0179487179480000
;Initial Result 1 Amplitude              =                1020167.3008604913000000
;Secondary Result 2 Amplitude            =                1873291.0833021873000000
;Computed Ac1
;(Component Amplification Factor)         =                      0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                     =                      1.8362587016091407
;Sign 1 (sign of Result 1)               =                     -1.0000000000000000
;Sign 2 (sign of Result 2)               =                     -1.0000000000000000
;L1                                      =                      0.0005778500000000
;C1                                      =                      0.0268651709451957
;C2                                      =                      0.0029630703248378
;C3                                      =                      0.0000001057367829
;Rd                                      =                3022600.0000000000000000
;R1                                      =              444500000.0000000000000000
;Rl1                                     =                     61.6640193456665950
;
;
    (setq count   160.0000000000000000)
    (setq DesFreq 160000000.0000000000000000)
    (setq DesAmp     -0.0179487179480000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873291.0833021873000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp     1.8362587016091407)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.0268651709451957)
    (setq C2      0.0029630703248378)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1    61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                       =              161000000.0000000000000000
;Desired Amplification                   =                      0.0000000000000000
;Initial Result 1 Amplitude              =                1020167.3008604913000000
;Secondary Result 2 Amplitude            =                1873291.2429315909000000
;Computed Ac1
;(Component Amplification Factor)         =                      0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                     =                      1.8362588580828911
;Sign 1 (sign of Result 1)               =                     -1.0000000000000000
;Sign 2 (sign of Result 2)               =                     -0.9999999999999999
;L1                                      =                      0.0005778500000000
```

```
;C1                                  =                    0.0265324785385213
;C2                                  =                    0.0029263763093957
;C3                                  =                    0.0000001057367829
;Rd                                  =              3022600.0000000000000000
;R1                                  =            444500000.0000000000000000
;R11                                 =                   61.6640193456665950
;
;
      (setq count   161.0000000000000000)
      (setq DesFreq 161000000.0000000000000000)
      (setq DesAmp     0.0000000000000000)
      (setq Init1Amp 1020167.3008604913000000)
      (setq Sec2Amp 1873291.2429315909000000)
      (setq CompAc1     0.4445000000000000)
      (setq CheckAmp    1.8362588580828911)
      (setq Sign1    -1.0000000000000000)
      (setq Sign2    -0.9999999999999999)
      (setq L1      0.0005778500000000)
      (setq C1      0.0265324785385213)
      (setq C2      0.0029263763093957)
      (setq C3      0.0000001057367829)
      (setq Rd 3022600.0000000000000000)
      (setq R1 444500000.0000000000000000)
      (setq R11     61.6640193456665950)
      (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                   =             162000000.0000000000000000
;Desired Amplification               =                    -0.0051282051280000
;Initial Result 1 Amplitude          =               1020167.3008604913000000
;Secondary Result 2 Amplitude        =               1873291.3996488741000000
;Computed Ac1
; (Component Amplification Factor)    =                     0.4445000000000000
;Check of Amplification Factor Desired
; (Result 2/Result 1)                =                     1.8362590117020896
;Sign 1 (sign of Result 1)           =                    -1.0000000000000000
;Sign 2 (sign of Result 2)           =                    -0.9999999999999999
;L1                                  =                     0.0005778500000000
;C1                                  =                     0.0262059280672539
;C2                                  =                     0.0028903597133001
;C3                                  =                     0.0000001057367829
;Rd                                  =               3022600.0000000000000000
;R1                                  =             444500000.0000000000000000
;R11                                 =                    61.6640193456665950
;
;
      (setq count   162.0000000000000000)
      (setq DesFreq 162000000.0000000000000000)
      (setq DesAmp    -0.0051282051280000)
      (setq Init1Amp 1020167.3008604913000000)
      (setq Sec2Amp 1873291.3996488741000000)
      (setq CompAc1     0.4445000000000000)
      (setq CheckAmp    1.8362590117020896)
      (setq Sign1    -1.0000000000000000)
      (setq Sign2    -0.9999999999999999)
      (setq L1      0.0005778500000000)
```

```
    (setq C1      0.0262059280672539)
    (setq C2      0.0028903597133001)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1      61.6640193456665950)
    (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =           163000000.0000000000000000
;Desired Amplification                =                  -0.0179487179480000
;Initial Result 1 Amplitude           =             1020167.3008604913000000
;Secondary Result 2 Amplitude         =             1873291.5541839080000000
;Computed Acl
;(Component Amplification Factor)      =                   0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =                   1.8362591631821792
;Sign 1 (sign of Result 1)            =                  -1.0000000000000000
;Sign 2 (sign of Result 2)            =                  -0.9999999999999999
;L1                                   =                   0.0005778500000000
;C1                                   =                   0.0258853692723479
;C2                                   =                   0.0028550039638619
;C3                                   =                   0.0000001057367829
;Rd                                   =             3022600.0000000000000000
;R1                                   =           444500000.0000000000000000
;Rl1                                  =                  61.6640193456665950
;
;
    (setq count    163.0000000000000000)
    (setq DesFreq 163000000.0000000000000000)
    (setq DesAmp     -0.0179487179480000)
    (setq InitlAmp 1020167.3008604913000000)
    (setq Sec2Amp 1873291.5541839080000000)
    (setq CompAcl     0.4445000000000000)
    (setq CheckAmp    1.8362591631821792)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -0.9999999999999999)
    (setq L1      0.0005778500000000)
    (setq C1      0.0258853692723479)
    (setq C2      0.0028550039638619)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1      61.6640193456665950)
    (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =           164000000.0000000000000000
;Desired Amplification                =                  -0.0179487179480000
;Initial Result 1 Amplitude           =             1020167.3008604913000000
;Secondary Result 2 Amplitude         =             1873291.7066455155000000
;Computed Acl
;(Component Amplification Factor)      =                   0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =                   1.8362593126298308
```

```
;Sign 1 (sign of Result 1)             =                    -1.0000000000000000
;Sign 2 (sign of Result 2)             =                    -1.0000000000000000
;L1                                     =                     0.0005778500000000
;C1                                     =                     0.0255706564618163
;C2                                     =                     0.0028202929921121
;C3                                     =                     0.0000001057367829
;Rd                                     =              3022600.0000000000000000
;R1                                     =            444500000.0000000000000000
;Rl1                                    =                    61.6640193456665950
;
;
     (setq count    164.0000000000000000)
     (setq DesFreq 164000000.0000000000000000)
     (setq DesAmp     -0.0179487179480000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873291.7066455155000000)
     (setq CompAc1      0.4445000000000000)
     (setq CheckAmp     1.8362593126298308)
     (setq Sign1     -1.0000000000000000)
     (setq Sign2     -1.0000000000000000)
     (setq L1       0.0005778500000000)
     (setq C1       0.0255706564618163)
     (setq C2       0.0028202929921121)
     (setq C3       0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq Rl1      61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                      =            165000000.0000000000000000
;Desired Amplification                  =                     0.0025641025640000
;Initial Result 1 Amplitude             =              1020167.3008604913000000
;Secondary Result 2 Amplitude           =              1873291.8564875715000000
;Computed Ac1
;(Component Amplification Factor)        =                     0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                     =                     1.8362594595097159
;Sign 1 (sign of Result 1)              =                    -1.0000000000000000
;Sign 2 (sign of Result 2)              =                    -0.9999999999999999
;L1                                     =                     0.0005778500000000
;C1                                     =                     0.0252616483451611
;C2                                     =                     0.0027862112145398
;C3                                     =                     0.0000001057367829
;Rd                                     =              3022600.0000000000000000
;R1                                     =            444500000.0000000000000000
;Rl1                                    =                    61.6640193456665950
;
;
     (setq count    165.0000000000000000)
     (setq DesFreq 165000000.0000000000000000)
     (setq DesAmp      0.0025641025640000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873291.8564875715000000)
     (setq CompAc1      0.4445000000000000)
     (setq CheckAmp     1.8362594595097159)
```

```
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -0.9999999999999999)
    (setq L1      0.0005778500000000)
    (setq C1      0.0252616483451611)
    (setq C2      0.0027862112145398)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq R11     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                    =          166000000.0000000000000000
;Desired Amplification                =                  0.0128205128200000
;Initial Result 1 Amplitude           =            1020167.3008604913000000
;Secondary Result 2 Amplitude         =            1873292.0030491499000000
;Computed Ac1
;(Component Amplification Factor)      =                  0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =                  1.8362596031739742
;Sign 1 (sign of Result 1)            =                 -1.0000000000000000
;Sign 2 (sign of Result 2)            =                 -1.0000000000000000
;L1                                   =                  0.0005778500000000
;C1                                   =                  0.0249582078747645
;C2                                   =                  0.0027527435155990
;C3                                   =                  0.0000001057367829
;Rd                                   =            3022600.0000000000000000
;R1                                   =          444500000.0000000000000000
;R11                                  =                 61.6640193456665950
;
;
    (setq count    166.0000000000000000)
    (setq DesFreq 166000000.0000000000000000)
    (setq DesAmp     0.0128205128200000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873292.0030491499000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp    1.8362596031739742)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.0249582078747645)
    (setq C2      0.0027527435155990)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq R11     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                    =          167000000.0000000000000000
;Desired Amplification                =                 -0.0076923076920000
;Initial Result 1 Amplitude           =            1020167.3008604913000000
;Secondary Result 2 Amplitude         =            1873292.1461938147000000
;Computed Ac1
```

```
;(Component Amplification Factor)         =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                      =                    1.8362597434888663
;Sign 1 (sign of Result 1)                =                   -1.0000000000000000
;Sign 2 (sign of Result 2)                =                   -0.9999999999999999
;L1                                       =                    0.0005778500000000
;C1                                       =                    0.0246602020939084
;C2                                       =                    0.0027198752309458
;C3                                       =                    0.0000001057367829
;Rd                                       =              3022600.0000000000000000
;R1                                       =            444500000.0000000000000000
;Rl1                                      =                   61.6640193456665950
;
;
     (setq count   167.0000000000000000)
     (setq DesFreq 167000000.0000000000000000)
     (setq DesAmp    -0.0076923076920000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873292.1461938147000000)
     (setq CompAc1    0.4445000000000000)
     (setq CheckAmp     1.8362597434888663)
     (setq Sign1    -1.0000000000000000)
     (setq Sign2    -0.9999999999999999)
     (setq L1     0.0005778500000000)
     (setq C1     0.0246602020939084)
     (setq C2     0.0027198752309458)
     (setq C3     0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq Rl1     61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                        =            168000000.0000000000000000
;Desired Amplification                    =                    0.0153846153840000
;Initial Result 1 Amplitude               =              1020167.3008604913000000
;Secondary Result 2 Amplitude             =              1873292.2864859758000000
;Computed Ac1
;(Component Amplification Factor)          =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                      =                    1.8362598810076449
;Sign 1 (sign of Result 1)                =                   -1.0000000000000000
;Sign 2 (sign of Result 2)                =                   -0.9999999999999999
;L1                                       =                    0.0005778500000000
;C1                                       =                    0.0243675019911072
;C2                                       =                    0.0026875921313721
;C3                                       =                    0.0000001057367829
;Rd                                       =              3022600.0000000000000000
;R1                                       =            444500000.0000000000000000
;Rl1                                      =                   61.6640193456665950
;
;
     (setq count   168.0000000000000000)
     (setq DesFreq 168000000.0000000000000000)
     (setq DesAmp     0.0153846153840000)
     (setq Init1Amp 1020167.3008604913000000)
```

```
    (setq Sec2Amp 1873292.2864859758000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp     1.8362598810076449)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -0.9999999999999999)
    (setq L1      0.0005778500000000)
    (setq C1      0.0243675019911072)
    (setq C2      0.0026875921313721)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =              169000000.0000000000000000
;Desired Amplification                =                      0.0230769230760000
;Initial Result 1 Amplitude           =                1020167.3008604913000000
;Secondary Result 2 Amplitude         =                1873292.4247493113000000
;Computed Ac1
; (Component Amplification Factor)     =                      0.4445000000000000
;Check of Amplification Factor Desired
; (Result 2/Result 1)                 =                      1.8362600165377048
;Sign 1 (sign of Result 1)            =                     -1.0000000000000000
;Sign 2 (sign of Result 2)            =                     -1.0000000000000000
;L1                                   =                      0.0005778500000000
;C1                                   =                      0.0240799823604569
;C2                                   =                      0.0026558804074033
;C3                                   =                      0.0000001057367829
;Rd                                   =                3022600.0000000000000000
;R1                                   =              444500000.0000000000000000
;Rl1                                  =                     61.6640193456665950
;
;
    (setq count    169.0000000000000000)
    (setq DesFreq 169000000.0000000000000000)
    (setq DesAmp      0.0230769230760000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873292.4247493113000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp     1.8362600165377048)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.0240799823604569)
    (setq C2      0.0026558804074033)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =              170000000.0000000000000000
;Desired Amplification                =                     -0.0794871794840000
```

```
;Initial Result 1 Amplitude                    =           1020167.3008604913000000
;Secondary Result 2 Amplitude                  =           1873292.5613955837000000
;Computed Ac1
;(Component Amplification Factor)               =                 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                           =                 1.8362601504826688
;Sign 1 (sign of Result 1)                     =                -1.0000000000000000
;Sign 2 (sign of Result 2)                     =                -0.9999999999999999
;L1                                             =                 0.0005778500000000
;C1                                             =                 0.0237975216677166
;C2                                             =                 0.0026247266545276
;C3                                             =                 0.0000001057367829
;Rd                                             =           3022600.0000000000000000
;R1                                             =         444500000.0000000000000000
;Rl1                                            =                61.6640193456665950
;
;
     (setq count    170.0000000000000000)
     (setq DesFreq 170000000.0000000000000000)
     (setq DesAmp     -0.0794871794840000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873292.5613955837000000)
     (setq CompAc1      0.4445000000000000)
     (setq CheckAmp      1.8362601504826688)
     (setq Sign1      -1.0000000000000000)
     (setq Sign2      -0.9999999999999999)
     (setq L1       0.0005778500000000)
     (setq C1       0.0237975216677166)
     (setq C2       0.0026247266545276)
     (setq C3       0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq Rl1      61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                             =         171000000.0000000000000000
;Desired Amplification                         =                -0.2205128205040000
;Initial Result 1 Amplitude                    =           1020167.3008604913000000
;Secondary Result 2 Amplitude                  =           1873292.6961141145000000
;Computed Ac1
;(Component Amplification Factor)               =                 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                           =                 1.8362602825379999
;Sign 1 (sign of Result 1)                     =                -1.0000000000000000
;Sign 2 (sign of Result 2)                     =                -1.0000000000000000
;L1                                             =                 0.0005778500000000
;C1                                             =                 0.0235200019218566
;C2                                             =                 0.0025941178590283
;C3                                             =                 0.0000001057367829
;Rd                                             =           3022600.0000000000000000
;R1                                             =         444500000.0000000000000000
;Rl1                                            =                61.6640193456665950
;
;
     (setq count    171.0000000000000000)
```

```
    (setq DesFreq 171000000.0000000000000000)
    (setq DesAmp     -0.2205128205040000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873292.6961141145000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp     1.8362602825379999)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1     0.0005778500000000)
    (setq C1     0.0235200019218566)
    (setq C2     0.0025941178590283)
    (setq C3     0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =           172000000.0000000000000000
;Desired Amplification                =                  -0.6410256410000000
;Initial Result 1 Amplitude           =             1020167.3008604913000000
;Secondary Result 2 Amplitude         =             1873292.8281950043000000
;Computed Ac1
; (Component Amplification Factor)     =                   0.4445000000000000
;Check of Amplification Factor Desired
; (Result 2/Result 1)                 =                   1.8362604120078327
;Sign 1 (sign of Result 1)            =                  -1.0000000000000000
;Sign 2 (sign of Result 2)            =                  -1.0000000000000000
;L1                                   =                   0.0005778500000000
;C1                                   =                   0.0232473085518189
;C2                                   =                   0.0025640413843918
;C3                                   =                   0.0000001057367829
;Rd                                   =             3022600.0000000000000000
;R1                                   =           444500000.0000000000000000
;Rl1                                  =                  61.6640193456665950
;
;
    (setq count    172.0000000000000000)
    (setq DesFreq 172000000.0000000000000000)
    (setq DesAmp     -0.6410256410000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873292.8281950043000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp     1.8362604120078327)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1     0.0005778500000000)
    (setq C1     0.0232473085518189)
    (setq C2     0.0025640413843918)
    (setq C3     0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
```

```
;
;Desired Frequency                      =            173000000.0000000000000000
;Desired Amplification                  =                   -2.7769230768119999
;Initial Result 1 Amplitude             =               1020167.3008604913000000
;Secondary Result 2 Amplitude           =               1873292.9572019544000000
;Computed Ac1
;(Component Amplification Factor)        =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                     =                    1.8362605384644934
;Sign 1 (sign of Result 1)              =                   -1.0000000000000000
;Sign 2 (sign of Result 2)              =                   -0.9999999999999999
;L1                                      =                    0.0005778500000000
;C1                                      =                    0.0229793302882492
;C2                                      =                    0.0025344849582628
;C3                                      =                    0.0000001057367829
;Rd                                      =               3022600.0000000000000000
;R1                                      =             444500000.0000000000000000
;Rl1                                     =                   61.6640193456665950
;
;
      (setq count   173.0000000000000000)
      (setq DesFreq 173000000.0000000000000000)
      (setq DesAmp    -2.7769230768119999)
      (setq Init1Amp 1020167.3008604913000000)
      (setq Sec2Amp 1873292.9572019544000000)
      (setq CompAc1     0.4445000000000000)
      (setq CheckAmp    1.8362605384644934)
      (setq Sign1    -1.0000000000000000)
      (setq Sign2    -0.9999999999999999)
      (setq L1      0.0005778500000000)
      (setq C1      0.0229793302882492)
      (setq C2      0.0025344849582628)
      (setq C3      0.0000001057367829)
      (setq Rd 3022600.0000000000000000)
      (setq R1 444500000.0000000000000000)
      (setq Rl1     61.6640193456665950)
      (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                      =            174000000.0000000000000000
;Desired Amplification                  =                  -15.8461538455200000
;Initial Result 1 Amplitude             =               1020167.3008604913000000
;Secondary Result 2 Amplitude           =               1873293.0834030930000000
;Computed Ac1
;(Component Amplification Factor)        =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                     =                    1.8362606621708095
;Sign 1 (sign of Result 1)              =                   -1.0000000000000000
;Sign 2 (sign of Result 2)              =                   -1.0000000000000000
;L1                                      =                    0.0005778500000000
;C1                                      =                    0.0227159590499739
;C2                                      =                    0.0025054366599236
;C3                                      =                    0.0000001057367829
;Rd                                      =               3022600.0000000000000000
;R1                                      =             444500000.0000000000000000
;Rl1                                     =                   61.6640193456665950
```

```
;
;
    (setq count    174.0000000000000000)
    (setq DesFreq 174000000.0000000000000000)
    (setq DesAmp   -15.8461538455200000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873293.0834030930000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp    1.8362606621708095)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.0227159590499739)
    (setq C2      0.0025054366599236)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =          175000000.0000000000000000
;Desired Amplification                =               -134.2897435843719900
;Initial Result 1 Amplitude           =            1020167.3008604913000000
;Secondary Result 2 Amplitude         =            1873293.2075810439000000
;Computed Ac1
;(Component Amplification Factor)      =                  0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =                  1.8362607838939335
;Sign 1 (sign of Result 1)            =                 -1.0000000000000000
;Sign 2 (sign of Result 2)            =                 -1.0000000000000000
;L1                                   =                  0.0005778500000000
;C1                                   =                  0.0224570898350044
;C2                                   =                  0.0024768849082725
;C3                                   =                  0.0000001057367829
;Rd                                   =            3022600.0000000000000000
;R1                                   =          444500000.0000000000000000
;Rl1                                  =                 61.6640193456665950
;
;
    (setq count    175.0000000000000000)
    (setq DesFreq 175000000.0000000000000000)
    (setq DesAmp   -134.2897435843719900)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873293.2075810439000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp    1.8362607838939335)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.0224570898350044)
    (setq C2      0.0024768849082725)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
```

```
      (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                        =            176000000.0000000000000000
;Desired Amplification                    =                -2252.6410255509199000
;Initial Result 1 Amplitude               =              1020167.3008604913000000
;Secondary Result 2 Amplitude             =              1873293.3303892715000000
;Computed Ac1
;(Component Amplification Factor)          =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                      =                    1.8362609042744118
;Sign 1 (sign of Result 1)                =                   -1.0000000000000000
;Sign 2 (sign of Result 2)                =                   -1.0000000000000000
;L1                                       =                    0.0005778500000000
;C1                                       =                    0.0222026206158642
;C2                                       =                    0.0024488184502791
;C3                                       =                    0.0000001057367829
;Rd                                       =              3022600.0000000000000000
;R1                                       =            444500000.0000000000000000
;R11                                      =                   61.6640193456665950
;
;
      (setq count    176.0000000000000000)
      (setq DesFreq 176000000.0000000000000000)
      (setq DesAmp -2252.6410255509199000)
      (setq Init1Amp 1020167.3008604913000000)
      (setq Sec2Amp 1873293.3303892715000000)
      (setq CompAc1     0.4445000000000000)
      (setq CheckAmp    1.8362609042744118)
      (setq Sign1     -1.0000000000000000)
      (setq Sign2     -1.0000000000000000)
      (setq L1      0.0005778500000000)
      (setq C1      0.0222026206158642)
      (setq C2      0.0024488184502791)
      (setq C3      0.0000001057367829)
      (setq Rd 3022600.0000000000000000)
      (setq R1 444500000.0000000000000000)
      (setq R11     61.6640193456665950)
      (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                        =            177000000.0000000000000000
;Desired Amplification                    =              4134218.3459884776000000
;Initial Result 1 Amplitude               =              1020167.3008604913000000
;Secondary Result 2 Amplitude             =              1873293.4518207416000000
;Computed Ac1
;(Component Amplification Factor)          =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                      =                    1.8362610233053491
;Sign 1 (sign of Result 1)                =                   -1.0000000000000000
;Sign 2 (sign of Result 2)                =                   -1.0000000000000000
;L1                                       =                    0.0005778500000000
;C1                                       =                    0.0219524522390440
;C2                                       =                    0.0024212263498946
;C3                                       =                    0.0000001057367829
```

```
;Rd                                    =            3022600.0000000000000000
;R1                                    =          444500000.0000000000000000
;Rll                                   =                 61.6640193456665950
;
;
    (setq count    177.0000000000000000)
    (setq DesFreq 177000000.0000000000000000)
    (setq DesAmp 4134218.3459884776000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873293.4518207416000000)
    (setq CompAc1    0.4445000000000000)
    (setq CheckAmp      1.8362610233053491)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.0219524522390440)
    (setq C2      0.0024212263498946)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rll      61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rll)
;
;
;Desired Frequency                     =          178000000.0000000000000000
;Desired Amplification                 =          -65264518.3255945440000000
;Initial Result 1 Amplitude            =            1020167.3008604913000000
;Secondary Result 2 Amplitude          =            1873293.5712561514000000
;Computed Ac1
; (Component Amplification Factor)      =                  0.4445000000000000
;Check of Amplification Factor Desired
; (Result 2/Result 1)                  =                  1.8362611403796856
;Sign 1 (sign of Result 1)             =                 -1.0000000000000000
;Sign 2 (sign of Result 2)             =                 -0.9999999999999999
;L1                                    =                  0.0005778500000000
;C1                                    =                  0.0217064883283995
;C2                                    =                  0.0023940979773970
;C3                                    =                  0.0000001057367829
;Rd                                    =            3022600.0000000000000000
;R1                                    =          444500000.0000000000000000
;Rll                                   =                 61.6640193456665950
;
;
    (setq count    178.0000000000000000)
    (setq DesFreq 178000000.0000000000000000)
    (setq DesAmp -65264518.3255945440000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873293.5712561514000000)
    (setq CompAc1    0.4445000000000000)
    (setq CheckAmp      1.8362611403796856)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -0.9999999999999999)
    (setq L1      0.0005778500000000)
    (setq C1      0.0217064883283995)
    (setq C2      0.0023940979773970)
    (setq C3      0.0000001057367829)
```

```
      (setq Rd 3022600.0000000000000000)
      (setq R1 444500000.0000000000000000)
      (setq Rl1      61.6640193456665950)
      (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;
;Desired Frequency                        =        179000000.0000000000000000
;Desired Amplification                    =        503619883.9721629000000000
;Initial Result 1 Amplitude               =          1020167.3008604913000000
;Secondary Result 2 Amplitude             =          1873293.6880493648000000
;Computed Ac1
;(Component Amplification Factor)          =                0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                      =                1.8362612548640582
;Sign 1 (sign of Result 1)                =               -1.0000000000000000
;Sign 2 (sign of Result 2)                =               -1.0000000000000000
;L1                                       =                0.0005778500000000
;C1                                       =                0.0214646351923164
;C2                                       =                0.0023674229991525
;C3                                       =                0.0000001057367829
;Rd                                       =          3022600.0000000000000000
;R1                                       =        444500000.0000000000000000
;Rl1                                      =               61.6640193456665950
;
;
      (setq count    179.0000000000000000)
      (setq DesFreq 179000000.0000000000000000)
      (setq DesAmp 503619883.9721629000000000)
      (setq Init1Amp 1020167.3008604913000000)
      (setq Sec2Amp 1873293.6880493648000000)
      (setq CompAc1      0.4445000000000000)
      (setq CheckAmp      1.8362612548640582)
      (setq Sign1      -1.0000000000000000)
      (setq Sign2      -1.0000000000000000)
      (setq L1      0.0005778500000000)
      (setq C1      0.0214646351923164)
      (setq C2      0.0023674229991525)
      (setq C3      0.0000001057367829)
      (setq Rd 3022600.0000000000000000)
      (setq R1 444500000.0000000000000000)
      (setq Rl1      61.6640193456665950)
      (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                        =        180000000.0000000000000000
;Desired Amplification                    =      -2514077468.8994370000000000
;Initial Result 1 Amplitude               =          1020167.3008604913000000
;Secondary Result 2 Amplitude             =          1873293.8021353006000000
;Computed Ac1
;(Component Amplification Factor)          =                0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                      =                1.8362613666946723
;Sign 1 (sign of Result 1)                =               -1.0000000000000000
;Sign 2 (sign of Result 2)                =               -1.0000000000000000
;L1                                       =                0.0005778500000000
```

```
;C1                                  =                    0.0212268017344756
;C2                                  =                    0.0023411913677730
;C3                                  =                    0.0000001057367829
;Rd                                  =              3022600.0000000000000000
;R1                                  =            444500000.0000000000000000
;R11                                 =                   61.6640193456665950
;
;
     (setq count    180.0000000000000000)
     (setq DesFreq 180000000.0000000000000000)
     (setq DesAmp -2514077468.8994370000000000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873293.8021353006000000)
     (setq CompAc1     0.4445000000000000)
     (setq CheckAmp    1.8362613666946723)
     (setq Sign1    -1.0000000000000000)
     (setq Sign2    -1.0000000000000000)
     (setq L1      0.0005778500000000)
     (setq C1      0.0212268017344756)
     (setq C2      0.0023411913677730)
     (setq C3      0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq R11     61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                   =            181000000.0000000000000000
;Desired Amplification               =           9077789844.2471447000000000
;Initial Result 1 Amplitude          =              1020167.3008604913000000
;Secondary Result 2 Amplitude        =              1873293.9141257834000000
;Computed Ac1
; (Component Amplification Factor)    =                    0.4445000000000000
;Check of Amplification Factor Desired
; (Result 2/Result 1)                =                    1.8362614764712577
;Sign 1 (sign of Result 1)           =                   -1.0000000000000000
;Sign 2 (sign of Result 2)           =                   -1.0000000000000000
;L1                                  =                    0.0005778500000000
;C1                                  =                    0.0209928993680599
;C2                                  =                    0.0023153933126537
;C3                                  =                    0.0000001057367829
;Rd                                  =              3022600.0000000000000000
;R1                                  =            444500000.0000000000000000
;R11                                 =                   61.6640193456665950
;
;
     (setq count    181.0000000000000000)
     (setq DesFreq 181000000.0000000000000000)
     (setq DesAmp 9077789844.2471447000000000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873293.9141257834000000)
     (setq CompAc1     0.4445000000000000)
     (setq CheckAmp    1.8362614764712577)
     (setq Sign1    -1.0000000000000000)
     (setq Sign2    -1.0000000000000000)
     (setq L1      0.0005778500000000)
```

```
    (setq C1     0.0209928993680599)
    (setq C2     0.0023153933126537)
    (setq C3     0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1    61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =          182000000.0000000000000000
;Desired Amplification                =       -25109799120.6776580000000000
;Initial Result 1 Amplitude           =            1020167.3008604913000000
;Secondary Result 2 Amplitude         =            1873294.0248091226000000
;Computed Ac1
;(Component Amplification Factor)      =                  0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =                  1.8362615849665398
;Sign 1 (sign of Result 1)            =                 -1.0000000000000000
;Sign 2 (sign of Result 2)            =                 -1.0000000000000000
;L1                                   =                  0.0005778500000000
;C1                                   =                  0.0207628419332511
;C2                                   =                  0.0022900193308733
;C3                                   =                  0.0000001057367829
;Rd                                   =            3022600.0000000000000000
;R1                                   =          444500000.0000000000000000
;Rl1                                  =                 61.6640193456665950
;
;
    (setq count    182.0000000000000000)
    (setq DesFreq 182000000.0000000000000000)
    (setq DesAmp -25109799120.6776580000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873294.0248091226000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp     1.8362615849665398)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1     0.0005778500000000)
    (setq C1     0.0207628419332511)
    (setq C2     0.0022900193308733)
    (setq C3     0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1    61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =          183000000.0000000000000000
;Desired Amplification                =        54914965206.1905820000000000
;Initial Result 1 Amplitude           =            1020167.3008604913000000
;Secondary Result 2 Amplitude         =            1873294.1344934606000000
;Computed Ac1
;(Component Amplification Factor)      =                  0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =                  1.8362616924825699
```

```
;Sign 1 (sign of Result 1)              =                    -1.0000000000000000
;Sign 2 (sign of Result 2)              =                    -1.0000000000000000
;L1                                     =                     0.0005778500000000
;C1                                     =                     0.0205365456178748
;C2                                     =                     0.0022650601784421
;C3                                     =                     0.0000001057367829
;Rd                                     =               3022600.0000000000000000
;R1                                     =             444500000.0000000000000000
;R11                                    =                    61.6640193456665950
;
;
     (setq count   183.0000000000000000)
     (setq DesFreq 183000000.0000000000000000)
     (setq DesAmp 54914965206.1905820000000000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873294.1344934606000000)
     (setq CompAc1     0.4445000000000000)
     (setq CheckAmp    1.8362616924825699)
     (setq Sign1    -1.0000000000000000)
     (setq Sign2    -1.0000000000000000)
     (setq L1      0.0005778500000000)
     (setq C1      0.0205365456178748)
     (setq C2      0.0022650601784421)
     (setq C3      0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq R11     61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                      =             184000000.0000000000000000
;Desired Amplification                  =          -96398316032.7492070000000000
;Initial Result 1 Amplitude             =               1020167.3008604913000000
;Secondary Result 2 Amplitude           =               1873294.2427713589000000
;Computed Ac1
;(Component Amplification Factor)        =                     0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =                     1.8362617986199634
;Sign 1 (sign of Result 1)              =                    -1.0000000000000000
;Sign 2 (sign of Result 2)              =                    -0.9999999999999999
;L1                                     =                     0.0005778500000000
;C1                                     =                     0.0203139288810554
;C2                                     =                     0.0022405068618811
;C3                                     =                     0.0000001057367829
;Rd                                     =               3022600.0000000000000000
;R1                                     =             444500000.0000000000000000
;R11                                    =                    61.6640193456665950
;
;
     (setq count   184.0000000000000000)
     (setq DesFreq 184000000.0000000000000000)
     (setq DesAmp -96398316032.7492070000000000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873294.2427713589000000)
     (setq CompAc1     0.4445000000000000)
     (setq CheckAmp    1.8362617986199634)
```

```
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -0.9999999999999999)
    (setq L1       0.0005778500000000)
    (setq C1       0.0203139288810554)
    (setq C2       0.0022405068618811)
    (setq C3       0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rll      61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rll)
;
;
;Desired Frequency                          =            185000000.0000000000000000
;Desired Amplification                      =        135801952634.9320200000000000
;Initial Result 1 Amplitude                 =              1020167.3008604913000000
;Secondary Result 2 Amplitude               =              1873294.3489126374000000
;Computed Ac1
;(Component Amplification Factor)            =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                        =                    1.8362619026629752
;Sign 1 (sign of Result 1)                  =                   -1.0000000000000000
;Sign 2 (sign of Result 2)                  =                   -1.0000000000000002
;L1                                         =                    0.0005778500000000
;C1                                         =                    0.0200949123797519
;C2                                         =                    0.0022163506301197
;C3                                         =                    0.0000001057367829
;Rd                                         =              3022600.0000000000000000
;R1                                         =            444500000.0000000000000000
;Rll                                        =                   61.6640193456665950
;
;
    (setq count    185.0000000000000000)
    (setq DesFreq 185000000.0000000000000000)
    (setq DesAmp 135801952634.9320200000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873294.3489126374000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp     1.8362619026629752)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000002)
    (setq L1       0.0005778500000000)
    (setq C1       0.0200949123797519)
    (setq C2       0.0022163506301197)
    (setq C3       0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rll      61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rll)
;
;
;Desired Frequency                          =            186000000.0000000000000000
;Desired Amplification                      =       -150042596875.2393200000000000
;Initial Result 1 Amplitude                 =              1020167.3008604913000000
;Secondary Result 2 Amplitude               =              1873294.4525400803000000
;Computed Ac1
```

```
;(Component Amplification Factor)       =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =                    1.8362620042418463
;Sign 1 (sign of Result 1)              =                   -1.0000000000000000
;Sign 2 (sign of Result 2)              =                   -0.9999999999999999
;L1                                     =                    0.0005778500000000
;C1                                     =                    0.0198794188980521
;C2                                     =                    0.0021925829666969
;C3                                     =                    0.0000001057367829
;Rd                                     =              3022600.0000000000000000
;R1                                     =            444500000.0000000000000000
;R11                                    =                   61.6640193456665950
;
;
     (setq count    186.0000000000000000)
     (setq DesFreq 186000000.0000000000000000)
     (setq DesAmp -150042596875.2393200000000000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873294.4525400803000000)
     (setq CompAc1      0.4445000000000000)
     (setq CheckAmp     1.8362620042418463)
     (setq Sign1     -1.0000000000000000)
     (setq Sign2     -0.9999999999999999)
     (setq L1      0.0005778500000000)
     (setq C1      0.0198794188980521)
     (setq C2      0.0021925829666969)
     (setq C3      0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq R11     61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                      =            187000000.0000000000000000
;Desired Amplification                  =         119801125926.3592500000000000
;Initial Result 1 Amplitude             =              1020167.3008604913000000
;Secondary Result 2 Amplitude           =              1873294.5539938670000000
;Computed Ac1
;(Component Amplification Factor)        =                    0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                    =                    1.8362621036900315
;Sign 1 (sign of Result 1)              =                   -1.0000000000000000
;Sign 2 (sign of Result 2)              =                   -1.0000000000000000
;L1                                     =                    0.0005778500000000
;C1                                     =                    0.0196673732791046
;C2                                     =                    0.0021691955822542
;C3                                     =                    0.0000001057367829
;Rd                                     =              3022600.0000000000000000
;R1                                     =            444500000.0000000000000000
;R11                                    =                   61.6640193456665950
;
;
     (setq count    187.0000000000000000)
     (setq DesFreq 187000000.0000000000000000)
     (setq DesAmp 119801125926.3592500000000000)
     (setq Init1Amp 1020167.3008604913000000)
```

```
    (setq Sec2Amp 1873294.5539938670000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp     1.8362621036900315)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1     0.0005778500000000)
    (setq C1     0.0196673732791046)
    (setq C2     0.0021691955822542)
    (setq C3     0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =           188000000.0000000000000000
;Desired Amplification                =       -45752923803.5621950000000000
;Initial Result 1 Amplitude           =           1020167.3008604913000000
;Secondary Result 2 Amplitude         =           1873294.6540643109000000
;Computed Ac1
;(Component Amplification Factor)      =                 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =                 1.8362622017822208
;Sign 1 (sign of Result 1)            =                -1.0000000000000000
;Sign 2 (sign of Result 2)            =                -1.0000000000000000
;L1                                   =                 0.0005778500000000
;C1                                   =                 0.0194587023595804
;C2                                   =                 0.0021461804073067
;C3                                   =                 0.0000001057367829
;Rd                                   =           3022600.0000000000000000
;R1                                   =         444500000.0000000000000000
;Rl1                                  =                61.6640193456665950
;
;
    (setq count    188.0000000000000000)
    (setq DesFreq 188000000.0000000000000000)
    (setq DesAmp -45752923803.5621950000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873294.6540643109000000)
    (setq CompAc1     0.4445000000000000)
    (setq CheckAmp     1.8362622017822208)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1     0.0005778500000000)
    (setq C1     0.0194587023595804)
    (setq C2     0.0021461804073067)
    (setq C3     0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =           189000000.0000000000000000
;Desired Amplification                =       -46543511833.8280030000000000
```

```
;Initial Result 1 Amplitude              =           1020167.3008604913000000
;Secondary Result 2 Amplitude            =           1873294.7533279399000000
;Computed Ac1
;(Component Amplification Factor)         =                 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                      =                 1.8362622990835447
;Sign 1 (sign of Result 1)               =                -1.0000000000000000
;Sign 2 (sign of Result 2)               =                -1.0000000000000000
;L1                                       =                 0.0005778500000000
;C1                                       =                 0.0192533349065539
;C2                                       =                 0.0021235295852817
;C3                                       =                 0.0000001057367829
;Rd                                       =           3022600.0000000000000000
;R1                                       =         444500000.0000000000000000
;R11                                      =                61.6640193456665950
;
;
    (setq count    189.0000000000000000)
    (setq DesFreq 189000000.0000000000000000)
    (setq DesAmp -46543511833.8280030000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873294.7533279399000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp     1.8362622990835447)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -1.0000000000000000)
    (setq L1       0.0005778500000000)
    (setq C1       0.0192533349065539)
    (setq C2       0.0021235295852817)
    (setq C3       0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq R11      61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                        =         190000000.0000000000000000
;Desired Amplification                    =      120283193444.0502200000000000
;Initial Result 1 Amplitude               =           1020167.3008604913000000
;Secondary Result 2 Amplitude             =           1873294.8516707432000000
;Computed Ac1
;(Component Amplification Factor)         =                 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                      =                 1.8362623954822463
;Sign 1 (sign of Result 1)               =                -1.0000000000000000
;Sign 2 (sign of Result 2)               =                -1.0000000000000000
;L1                                       =                 0.0005778500000000
;C1                                       =                 0.0190512015567039
;C2                                       =                 0.0021012354658129
;C3                                       =                 0.0000001057367829
;Rd                                       =           3022600.0000000000000000
;R1                                       =         444500000.0000000000000000
;R11                                      =                61.6640193456665950
;
;
    (setq count    190.0000000000000000)
```

```
    (setq DesFreq 190000000.0000000000000000)
    (setq DesAmp 120283193444.0502200000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873294.8516707432000000)
    (setq CompAc1    0.4445000000000000)
    (setq CheckAmp     1.8362623954822463)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1     0.0005778500000000)
    (setq C1     0.0190512015567039)
    (setq C2     0.0021012354658129)
    (setq C3     0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq R11    61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                     =       191000000.0000000000000000
;Desired Amplification                 =      -150093987702.8167700000000000
;Initial Result 1 Amplitude            =          1020167.3008604913000000
;Secondary Result 2 Amplitude          =          1873294.9484178298000000
;Computed Ac1
;(Component Amplification Factor)       =              0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                   =              1.8362624903167766
;Sign 1 (sign of Result 1)             =             -1.0000000000000000
;Sign 2 (sign of Result 2)             =             -1.0000000000000000
;L1                                    =              0.0005778500000000
;C1                                    =              0.0188522347577372
;C2                                    =              0.0020792905982798
;C3                                    =              0.0000001057367829
;Rd                                    =        3022600.0000000000000000
;R1                                    =      444500000.0000000000000000
;R11                                   =             61.6640193456665950
;
;
    (setq count    191.0000000000000000)
    (setq DesFreq 191000000.0000000000000000)
    (setq DesAmp -150093987702.8167700000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873294.9484178298000000)
    (setq CompAc1    0.4445000000000000)
    (setq CheckAmp     1.8362624903167766)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1     0.0005778500000000)
    (setq C1     0.0188522347577372)
    (setq C2     0.0020792905982798)
    (setq C3     0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq R11    61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
```

```
;
;Desired Frequency                        =         192000000.0000000000000000
;Desired Amplification                    =    135526147849.3815300000000000
;Initial Result 1 Amplitude               =           1020167.3008604913000000
;Secondary Result 2 Amplitude             =           1873295.0429555173000000
;Computed Ac1
;(Component Amplification Factor)          =                 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                       =                 1.8362625829855843
;Sign 1 (sign of Result 1)                 =                -1.0000000000000000
;Sign 2 (sign of Result 2)                 =                -1.0000000000000000
;L1                                        =                 0.0005778500000000
;C1                                        =                 0.0186563687119415
;C2                                        =                 0.0020576877255818
;C3                                        =                 0.0000001057367829
;Rd                                        =           3022600.0000000000000000
;R1                                        =         444500000.0000000000000000
;R11                                       =                61.6640193456665950
;
;
     (setq count    192.0000000000000000)
     (setq DesFreq 192000000.0000000000000000)
     (setq DesAmp 135526147849.3815300000000000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873295.0429555173000000)
     (setq CompAc1    0.4445000000000000)
     (setq CheckAmp    1.8362625829855843)
     (setq Sign1    -1.0000000000000000)
     (setq Sign2    -1.0000000000000000)
     (setq L1    0.0005778500000000)
     (setq C1    0.0186563687119415)
     (setq C2    0.0020576877255818)
     (setq C3    0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq R11    61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                        =         193000000.0000000000000000
;Desired Amplification                    =     -96009426342.0083310000000000
;Initial Result 1 Amplitude               =           1020167.3008604913000000
;Secondary Result 2 Amplitude             =           1873295.1352988465000000
;Computed Ac1
;(Component Amplification Factor)          =                 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                       =                 1.8362626735034131
;Sign 1 (sign of Result 1)                 =                -1.0000000000000000
;Sign 2 (sign of Result 2)                 =                -1.0000000000000000
;L1                                        =                 0.0005778500000000
;C1                                        =                 0.0184635393217807
;C2                                        =                 0.0020364197781376
;C3                                        =                 0.0000001057367829
;Rd                                        =           3022600.0000000000000000
;R1                                        =         444500000.0000000000000000
;R11                                       =                61.6640193456665950
```

```
;
;
    (setq count    193.0000000000000000)
    (setq DesFreq 193000000.0000000000000000)
    (setq DesAmp -96009426342.0083310000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873295.1352988465000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp      1.8362626735034131)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.0184635393217807)
    (setq C2      0.0020364197781376)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                       =          194000000.0000000000000000
;Desired Amplification                   =       54588051828.7446900000000000
;Initial Result 1 Amplitude              =           1020167.3008604913000000
;Secondary Result 2 Amplitude            =           1873295.2261055342000000
;Computed Ac1
;(Component Amplification Factor)         =                 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                     =                 1.8362627625149779
;Sign 1 (sign of Result 1)               =                -1.0000000000000000
;Sign 2 (sign of Result 2)               =                -1.0000000000000000
;L1                                      =                 0.0005778500000000
;C1                                      =                 0.0182736841374485
;C2                                      =                 0.0020154798681009
;C3                                      =                 0.0000001057367829
;Rd                                      =           3022600.0000000000000000
;R1                                      =         444500000.0000000000000000
;Rl1                                     =                61.6640193456665950
;
;
    (setq count    194.0000000000000000)
    (setq DesFreq 194000000.0000000000000000)
    (setq DesAmp 54588051828.7446900000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873295.2261055342000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp      1.8362627625149779)
    (setq Sign1     -1.0000000000000000)
    (setq Sign2     -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.0182736841374485)
    (setq C2      0.0020154798681009)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
```

```
      (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                       =          195000000.0000000000000000
;Desired Amplification                   =      -24910488532.0369150000000000
;Initial Result 1 Amplitude              =            1020167.3008604913000000
;Secondary Result 2 Amplitude            =            1873295.3161240995000000
;Computed Ac1
; (Component Amplification Factor)        =                  0.4445000000000000
;Check of Amplification Factor Desired
; (Result 2/Result 1)                     =                  1.8362628507540002
;Sign 1 (sign of Result 1)               =                 -1.0000000000000000
;Sign 2 (sign of Result 2)               =                 -1.0000000000000000
;L1                                      =                  0.0005778500000000
;C1                                      =                  0.0180867423062988
;C2                                      =                  0.0019948612837830
;C3                                      =                  0.0000001057367829
;Rd                                      =            3022600.0000000000000000
;R1                                      =          444500000.0000000000000000
;R11                                     =                 61.6640193456665950
;
;
    (setq count   195.0000000000000000)
    (setq DesFreq 195000000.0000000000000000)
    (setq DesAmp -24910488532.0369150000000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1873295.3161240995000000)
    (setq CompAc1      0.4445000000000000)
    (setq CheckAmp     1.8362628507540002)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.0180867423062988)
    (setq C2      0.0019948612837830)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq R11     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                       =          196000000.0000000000000000
;Desired Amplification                   =        8985948386.7764587000000000
;Initial Result 1 Amplitude              =            1020167.3008604913000000
;Secondary Result 2 Amplitude            =            1873295.4055614760000000
;Computed Ac1
; (Component Amplification Factor)        =                  0.4445000000000000
;Check of Amplification Factor Desired
; (Result 2/Result 1)                     =                  1.8362629384233231
;Sign 1 (sign of Result 1)               =                 -1.0000000000000000
;Sign 2 (sign of Result 2)               =                 -0.9999999999999999
;L1                                      =                  0.0005778500000000
;C1                                      =                  0.0179026545240788
;C2                                      =                  0.0019745574842734
;C3                                      =                  0.0000001057367829
```

```
;Rd                                    =                   3022600.0000000000000000
;R1                                    =              444500000.0000000000000000
;Rl1                                   =                     61.6640193456665950
;
;
     (setq count    196.0000000000000000)
     (setq DesFreq 196000000.0000000000000000)
     (setq DesAmp 8985948386.7764587000000000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873295.4055614760000000)
     (setq CompAc1      0.4445000000000000)
     (setq CheckAmp     1.8362629384233231)
     (setq Sign1    -1.0000000000000000)
     (setq Sign2    -0.9999999999999999)
     (setq L1     0.0005778500000000)
     (setq C1     0.0179026545240788)
     (setq C2     0.0019745574842734)
     (setq C3     0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq Rl1     61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                     =              197000000.0000000000000000
;Desired Amplification                 =            -2482245138.3853254000000000
;Initial Result 1 Amplitude            =                1020167.3008604913000000
;Secondary Result 2 Amplitude          =                1873295.4939261896000000
;Computed Ac1
;(Component Amplification Factor)       =                      0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                   =                      1.8362630250411882
;Sign 1 (sign of Result 1)             =                     -1.0000000000000000
;Sign 2 (sign of Result 2)             =                     -1.0000000000000000
;L1                                    =                      0.0005778500000000
;C1                                    =                      0.0177213629878897
;C2                                    =                      0.0019545620942525
;C3                                    =                      0.0000001057367829
;Rd                                    =                3022600.0000000000000000
;R1                                    =              444500000.0000000000000000
;Rl1                                   =                     61.6640193456665950
;
;
     (setq count    197.0000000000000000)
     (setq DesFreq 197000000.0000000000000000)
     (setq DesAmp -2482245138.3853254000000000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873295.4939261896000000)
     (setq CompAc1      0.4445000000000000)
     (setq CheckAmp     1.8362630250411882)
     (setq Sign1    -1.0000000000000000)
     (setq Sign2    -1.0000000000000000)
     (setq L1     0.0005778500000000)
     (setq C1     0.0177213629878897)
     (setq C2     0.0019545620942525)
     (setq C3     0.0000001057367829)
```

```
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =        198000000.0000000000000000
;Desired Amplification                =        495625578.9519698600000000
;Initial Result 1 Amplitude           =          1020167.3008604913000000
;Secondary Result 2 Amplitude         =          1873295.5804850268000000
;Computed Acl
;(Component Amplification Factor)      =                0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =                1.8362631098888766
;Sign 1 (sign of Result 1)            =               -1.0000000000000000
;Sign 2 (sign of Result 2)            =               -1.0000000000000000
;L1                                   =                0.0005778500000000
;C1                                   =                0.0175428113508063
;C2                                   =                0.0019348688989860
;C3                                   =                0.0000001057367829
;Rd                                   =          3022600.0000000000000000
;R1                                   =        444500000.0000000000000000
;Rl1                                  =               61.6640193456665950
;
;
    (setq count     198.0000000000000000)
    (setq DesFreq 198000000.0000000000000000)
    (setq DesAmp 495625578.9519698600000000)
    (setq InitlAmp 1020167.3008604913000000)
    (setq Sec2Amp 1873295.5804850268000000)
    (setq CompAcl      0.4445000000000000)
    (setq CheckAmp     1.8362631098888766)
    (setq Sign1    -1.0000000000000000)
    (setq Sign2    -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      0.0175428113508063)
    (setq C2      0.0019348688989860)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency                    =        199000000.0000000000000000
;Desired Amplification                =        -63928014.6256480070000000
;Initial Result 1 Amplitude           =          1020167.3008604913000000
;Secondary Result 2 Amplitude         =          1873295.6649316517000000
;Computed Acl
;(Component Amplification Factor)      =                0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                  =                1.8362631926661082
;Sign 1 (sign of Result 1)            =               -1.0000000000000000
;Sign 2 (sign of Result 2)            =               -1.0000000000000000
;L1                                   =                0.0005778500000000
```

```
;C1                                    =               0.0173669446780892
;C2                                    =               0.0019154718394951
;C3                                    =               0.0000001057367829
;Rd                                    =         3022600.0000000000000000
;R1                                    =       444500000.0000000000000000
;R11                                   =              61.6640193456665950
;
;
     (setq count    199.0000000000000000)
     (setq DesFreq 199000000.0000000000000000)
     (setq DesAmp -63928014.6256480070000000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873295.6649316517000000)
     (setq CompAc1      0.4445000000000000)
     (setq CheckAmp     1.8362631926661082)
     (setq Sign1     -1.0000000000000000)
     (setq Sign2     -1.0000000000000000)
     (setq L1      0.0005778500000000)
     (setq C1      0.0173669446780892)
     (setq C2      0.0019154718394951)
     (setq C3      0.0000001057367829)
     (setq Rd 3022600.0000000000000000)
     (setq R1 444500000.0000000000000000)
     (setq R11     61.6640193456665950)
     (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency                     =       200000000.0000000000000000
;Desired Amplification                 =         4013015.6818907615000000
;Initial Result 1 Amplitude            =         1020167.3008604913000000
;Secondary Result 2 Amplitude          =         1873295.7476792608000000
;Computed Ac1
;(Component Amplification Factor)       =               0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)                   =               1.8362632737779110
;Sign 1 (sign of Result 1)             =              -1.0000000000000000
;Sign 2 (sign of Result 2)             =              -1.0000000000000000
;L1                                    =               0.0005778500000000
;C1                                    =               0.0171937094049253
;C2                                    =               0.0018963650078962
;C3                                    =               0.0000001057367829
;Rd                                    =         3022600.0000000000000000
;R1                                    =       444500000.0000000000000000
;R11                                   =              61.6640193456665950
;
;
     (setq count    200.0000000000000000)
     (setq DesFreq 200000000.0000000000000000)
     (setq DesAmp 4013015.6818907615000000)
     (setq Init1Amp 1020167.3008604913000000)
     (setq Sec2Amp 1873295.7476792608000000)
     (setq CompAc1      0.4445000000000000)
     (setq CheckAmp     1.8362632737779110)
     (setq Sign1     -1.0000000000000000)
     (setq Sign2     -1.0000000000000000)
     (setq L1      0.0005778500000000)
```

```
    (setq C1     0.0171937094049253)
    (setq C2     0.0018963650078962)
    (setq C3     0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
  )
)
```